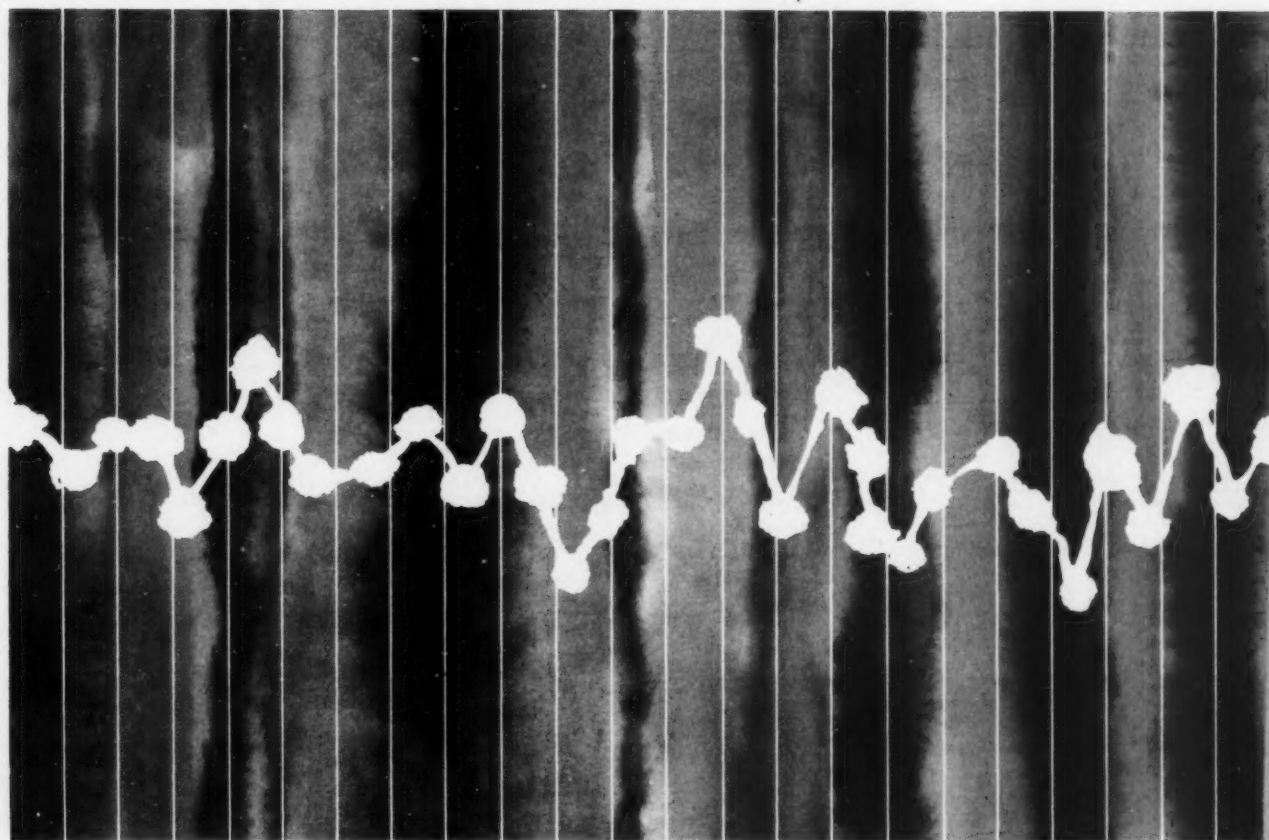


defense indicators

APRIL 1974



U.S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF ECONOMIC ANALYSIS



U. S. DEPARTMENT OF COMMERCE

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The cooperation of various government agencies which provide data is gratefully acknowledged.

Subscription price is \$11.00 a year (\$2.75 additional for foreign mailing). Single issues are 95 cents.

Airmail delivery is available at an additional charge. For information about domestic or foreign airmail delivery, write to the Superintendent of Documents (address below) enclosing a copy of your address label. Make checks payable to the Superintendent of Documents. Send to U.S. Government Printing Office, Washington, D.C. 20402.

The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 1, 1975.

This publication is prepared under the general guidance of an interagency committee established by the Office of Management and Budget. This committee consists of the following persons:

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defense indicators

April 1974

Series ES4 No. 74-4

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6 SESA PROJECTS for economic analysis

BUSINESS CONDITIONS DIGEST A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

Data are presented in charts and tables. Appendixes provide historical data, series descriptions, seasonal adjustment factors, and measures of variability. A computer tape containing data for most of the series is available for purchase.

DEFENSE INDICATORS A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

LONG TERM ECONOMIC GROWTH A report for the study of economic trends over a long span of years, 1860-1970.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS The source statements for FORTRAN IV programs used by SESA in its analysis of time series are available on a single computer tape.

SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

SURVEY OF CURRENT BUSINESS A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

BUSINESS STATISTICS A biennial reference volume containing statistical series reported currently in the *Survey of Current Business*.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

- Gross national product (BEA)
- Federal Government purchases of goods and services, national defense (BEA)
- National defense purchases as a percent of gross national product (BEA)
- Gross national product, changes from previous quarter (BEA)
- National defense purchases, changes from previous quarter (BEA)

Advance Indicators of Defense Activity

- Defense Department gross obligations incurred, total (DOD)
- Defense Department gross obligations incurred, procurement (DOD)
- Gross obligations incurred outside the Government for national defense (Treasury)

Defense Department military prime contract awards for work performed in the United States (DOD)

Defense Department gross unpaid obligations outstanding (DOD)

Manufacturers' new orders (Census):

- Defense products industries

- Defense products

Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

Average weekly overtime hours, production workers, defense products industries (BLS)

Accessions, defense products industries (BLS)

Layoffs, defense products industries (BLS)

Intermediate and Final Indicators of Defense Activity

Manufacturers' inventories (Census):

- Defense products industries

- Defense products

Manufacturers' unfilled orders (Census):

- Defense products industries

- Defense products

Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)

Defense Department progress payments outstanding (DOD)

Employment in defense products industries, total (BLS)

Employment in defense products industries, production workers (BLS)

Index of aggregate weekly man-hours, defense products industries (BLS)

Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

Defense Department manpower, military (DOD)

Defense Department manpower, civilian (DOD)

Defense Department net outlays, total, military functions and military assistance (DOD)

Defense Department net outlays, procurement (DOD)

Budget outlays for the national defense function (Treasury)

Defense Department personnel compensation (DOD)

Manufacturers' shipments (Census):

- Defense products industries

- Defense products

Manufacturers' shipments to the U.S. Government, aerospace industries (Census):

Ratio, manufacturers' unfilled orders to shipments (Census):

- Defense products industries

- Defense products

Ratio, manufacturers' inventories to shipments (Census):

- Defense products industries

- Defense products

Defense-Related Balance of Payments Components

Transfers under U.S. military agency sales contracts—exports (BEA)

Direct defense expenditures—imports (BEA)

U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunition), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly *Status of Funds* report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The *Status of Funds* report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's *Contract Awards* report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The *Contract Awards* report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the *Status of Funds* report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts	372
Guided missiles and space vehicles, completely assembled . .	1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments¹ classified into the following industry categories in accordance with the *Standard Industrial Classification Manual*, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey*

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).²

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include nondefense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

²See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

¹An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

Guide to Charts and Tables

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

New Features and Changes for This Issue

1. New seasonal adjustment factors have been computed for the series based on factory employment data. These factors, which were computed using the X-11 variant of the Census Method II seasonal adjustment program, are shown through June 1974 in appendix A. The table below shows the beginning month for application of the new seasonal factors to each series.

Series number	Beginning month for new factors	Series number	Beginning month for new factors
653	December 1973	671	March 1974
654	May 1973	673	February 1974
655	December 1972	675	February 1974
670	March 1974		

2. The series on Job vacancy rate in defense products industries (series 656) was discontinued by the source agency upon publication of the final figure for December 1973. This series will continue to be shown in Defense Indicators for several months; however, it can no longer be updated. Inquiries concerning this series should be made to the Bureau of Labor Statistics, Office of Current Employment Analysis.

3. Appendix C contains historical data for series 617, 619, 621, 623, 643-645, 650, 664, 666, 680-683, 685, and 689.

The May issue of DEFENSE INDICATORS is scheduled for release on May 30.

Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

Series title	Unit of measure	Basic data								Percent change				Series number
		Average		3d Q	4th Q	1st Q	Jan.	Feb.	Mar.	Jan. '74	Feb. '74	3d Q '73	4th Q '73	
		1972	1973	1973	1973	1974	1974	1974	1974	to Feb. '74	to Mar. '74	to 4th Q '73	to 1st Q '74	
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES														
200. Gross national product (BEA)	Ann. rate, bil. dol.	1155.2	1289.1	1304.5	1337.5	1351.8	...	...	...	...	...	2.5	1.1	200
264. Federal Government purchases of goods and services, national defense (BEA)	do	74.4	73.9	74.2	73.0	76.2	...	...	...	...	...	-1.6	4.4	264
613. National defense purchases as a percent of GNP (BEA) ¹	Percent	6.4	5.7	5.7	5.5	5.6	...	...	...	...	...	-0.2	0.1	613
ADVANCE INDICATORS OF DEFENSE ACTIVITY														
Defense Dept. gross obligations incurred (DOD):														
617. Total	Ann. rate, bil. dol.	84.7	85.5	85.2	85.7	NA	93.0	88.5	NA	-4.8	NA	0.6	NA	617
621. Procurement	do	20.3	18.8	17.0	18.8	NA	24.9	20.5	NA	-17.7	NA	10.6	NA	621
623. Gross obligations incurred outside the Federal Government for national defense (Treasury)	do	88.6	89.1	91.2	91.0	NA	98.3	94.5	NA	-3.9	NA	-0.2	NA	623
625. Defense Department military prime contract awards for work performed in the U.S. (DOD)	do	36.0	35.3	34.4	38.2	NA	40.5	37.7	NA	-6.9	NA	11.0	NA	625
643. Defense Department gross unpaid obligations outstanding (DOD)	Bil. dol., end of period	34.2	36.8	36.3	36.8	NA	37.3	37.0	NA	-0.8	NA	1.4	NA	643
648. Mfrs.' new orders, defense products (Census)	Ann. rate, bil. dol.	20.7	21.4	18.5	21.6	24.6	28.5	25.9	19.2	-9.1	-25.9	16.8	13.9	648
650. Manufacturers' new orders from the U.S. Government, aerospace industries (Census)	do	14.8	16.0	14.4	16.9	NA	...	...	...	...	...	17.4	NA	650
653. Average weekly overtime hours, production workers, defense products industries (BLS) ¹	Hours	2.8	3.1	3.0	3.2	NA	3.0	2.8	NA	-0.2	NA	0.2	NA	653
654. Accessions, defense products industries (BLS) ¹	Number per 100 employees	2.1	2.2	2.3	2.2	NA	2.1	NA	NA	NA	NA	-0.1	NA	654
655. Layoffs, defense products industries (BLS) ¹	do	0.8	0.6	0.6	0.6	NA	0.4	NA	NA	NA	NA	0.0	NA	655
656. Job vacancy rate, defense products industries (BLS) ¹ (1)	Percent	1.0	1.3	1.4	1.3	NA	NA	NA	NA	NA	NA	-0.1	NA	656
INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														
657. Output of defense and space equipment (FRB)	1967=100	77.9	80.4	80.2	80.9	81.2	81.2	81.3	81.2	0.1	-0.1	0.9	0.4	657
659. Mfrs.' inventories, defense products (Census)	Bil. dol., end of period	5.1	5.6	5.5	5.6	NA	5.7	5.8	NA	1.8	NA	1.8	NA	659
661. Mfrs.' unfilled orders, defense products (Census)	do	19.6	21.3	20.7	21.3	22.5	22.0	22.5	22.5	2.3	0.0	2.9	5.6	661
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)	do	15.1	16.5	15.9	16.5	NA	...	...	...	...	...	3.8	NA	664
666. Defense Department progress payments outstanding (DOD) (1)	do	6.7	7.4	7.1	7.4	NA	...	...	...	...	...	4.2	NA	666
Employment in defense products industries (BLS):														
670. Total	Thousands	1,119	1,144	1,144	1,150	1,142	1,147	1,141	1,137	-0.5	-0.4	0.5	-0.7	670
671. Production workers	do	581	606	605	608	605	608	605	602	-0.5	-0.5	0.5	-0.5	671
673. Index of aggregate weekly man-hours, defense products industries (BLS)	1967=100	66.6	68.1	68.1	68.3	67.7	67.9	67.8	67.4	-0.1	-0.6	0.3	-0.9	673
675. Index of aggregate weekly payrolls, production workers, defense products industries (BLS)	do	81.2	90.3	90.9	93.0	93.5	93.3	93.6	93.6	0.3	0.0	2.3	0.5	675
Defense Department manpower (DOD): (1)														
677. Military	Thousands, end of period	2,348	2,202	2,232	2,202	2,187	2,199	2,195	2,187	-0.2	-0.4	-1.3	-0.7	677
678. Civilian	do	1,082	1,026	1,019	1,026	NA	1,034	1,039	NA	0.5	NA	0.7	NA	678
Defense Department net outlays (DOD):														
680. Total, military functions and military assistance	Ann. rate, bil. dol.	75.6	76.3	77.2	77.4	79.1	78.5	80.6	78.3	2.7	-2.9	0.3	2.2	680
682. Procurement	do	17.1	15.7	15.1	16.1	15.1	15.1	15.3	14.9	1.3	-2.6	6.6	-6.2	682
683. Budget outlays for the national defense function (Treasury)	do	77.7	78.0	77.3	78.8	NA	78.6	82.8	NA	5.3	NA	1.9	NA	683
685. Defense Dept. personnel compensation (DOD)	do	32.0	32.4	32.5	32.8	NA	33.4	32.0	NA	-4.2	NA	0.9	NA	685
688. Mfrs.' shipments, defense products (Census)	do	18.3	19.7	19.3	19.5	19.7	19.4	20.0	19.8	3.1	-1.0	1.0	1.0	688
689. Manufacturers' shipments to the U.S. Government, aerospace industries (Census)	do	13.6	14.5	14.6	14.5	NA	...	...	...	...	...	-0.7	NA	689
691. Ratio, manufacturers' unfilled orders to shipments, defense products (Census)	Ratio	12.4	12.6	12.9	13.1	13.6	13.6	13.5	13.6	-0.7	0.7	1.6	3.8	691
693. Ratio, manufacturers' inventories to shipments, defense products (Census)	do	3.2	3.3	3.4	3.4	NA	3.5	3.5	NA	0.0	NA	0.0	NA	693
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
546. Transfers under U.S. military agency sales contracts-exports (BEA) ¹	Ann. rate, mil. dol.	1,166	NA	2,128	4,140	NA	...	...	...	...	...	2,012	NA	546
547. Direct defense expenditures-imports (BEA) ¹ (1)	do	4,724	NA	4,292	4,440	NA	...	...	...	...	...	148	NA	547
696. U.S. Government cash receipts associated with military sales contracts (BEA) ¹	do	1,391	2,299	2,652	2,044	NA	...	...	...	...	...	-608	NA	696

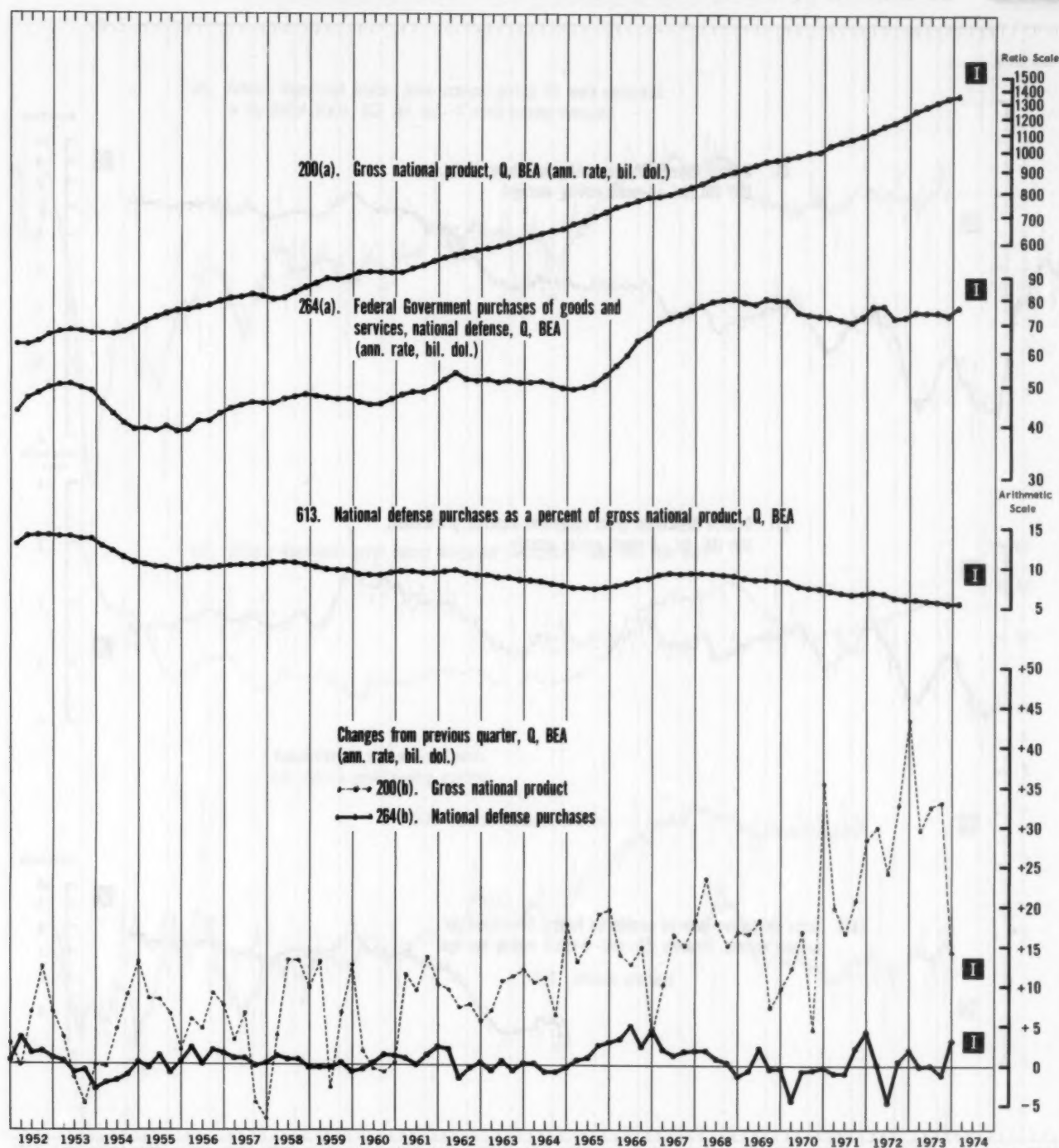
NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally adjusted except for those indicated by (1), which appear to contain no seasonal movement.

NA = not available. ¹Differences rather than percent changes are shown for this series.

CHART

1

Gross National Product and National Defense Purchases

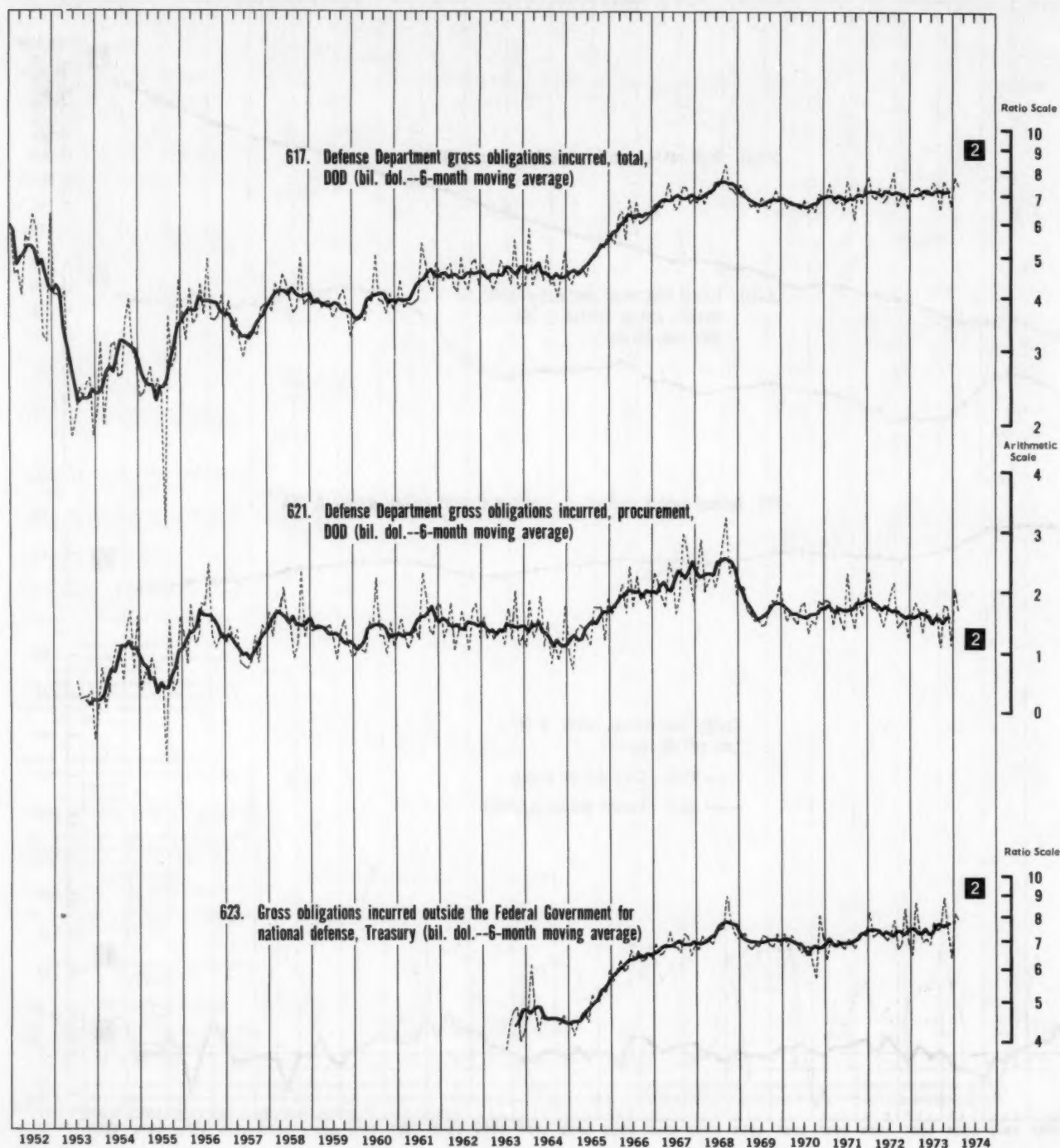


Current data for these series are shown on page 14.

CHART

2

Advance Indicators of Defense Activity

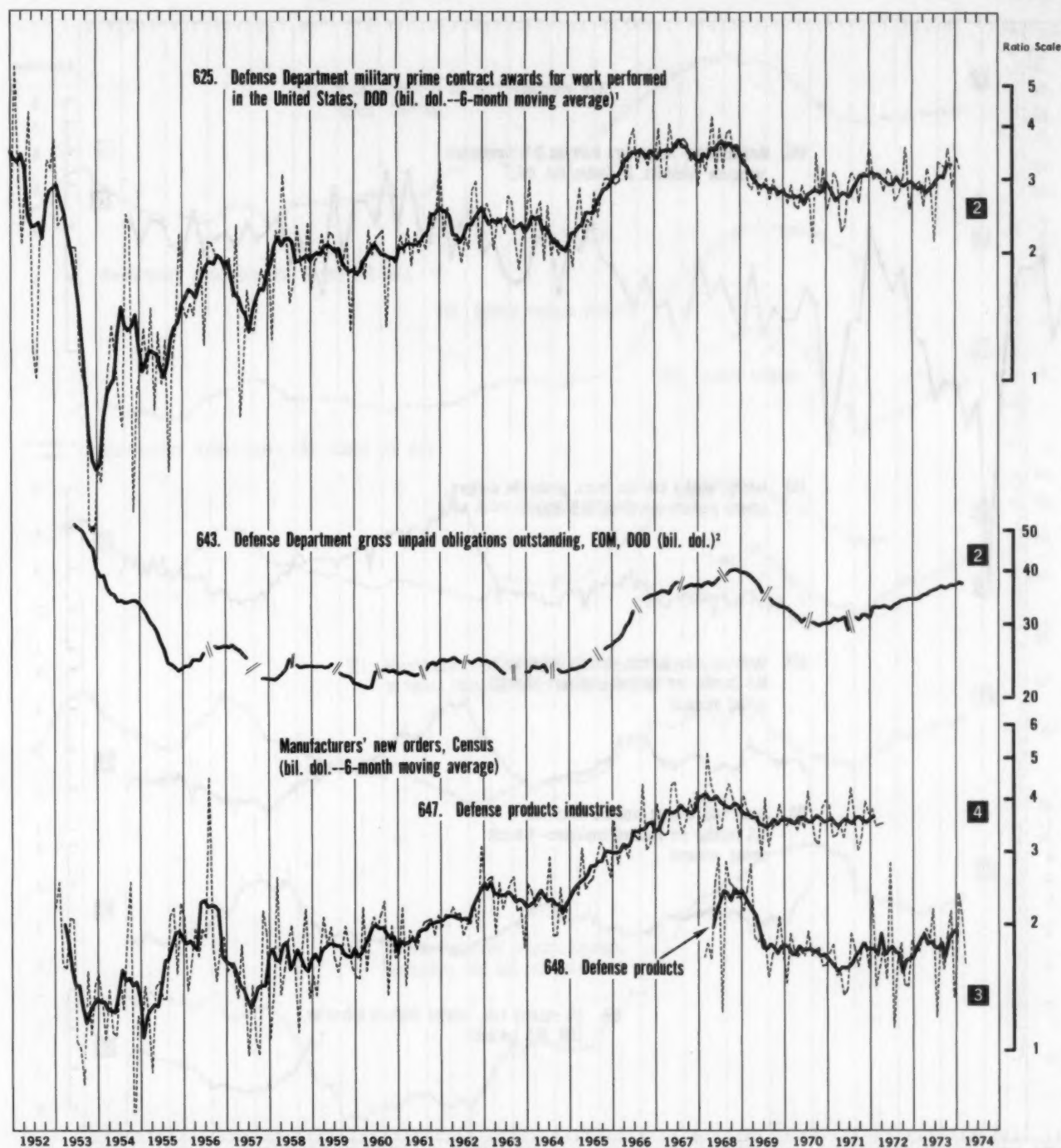


Current data for these series are shown on pages 15 and 16.

CHART

2

Advance Indicators of Defense Activity--Continued



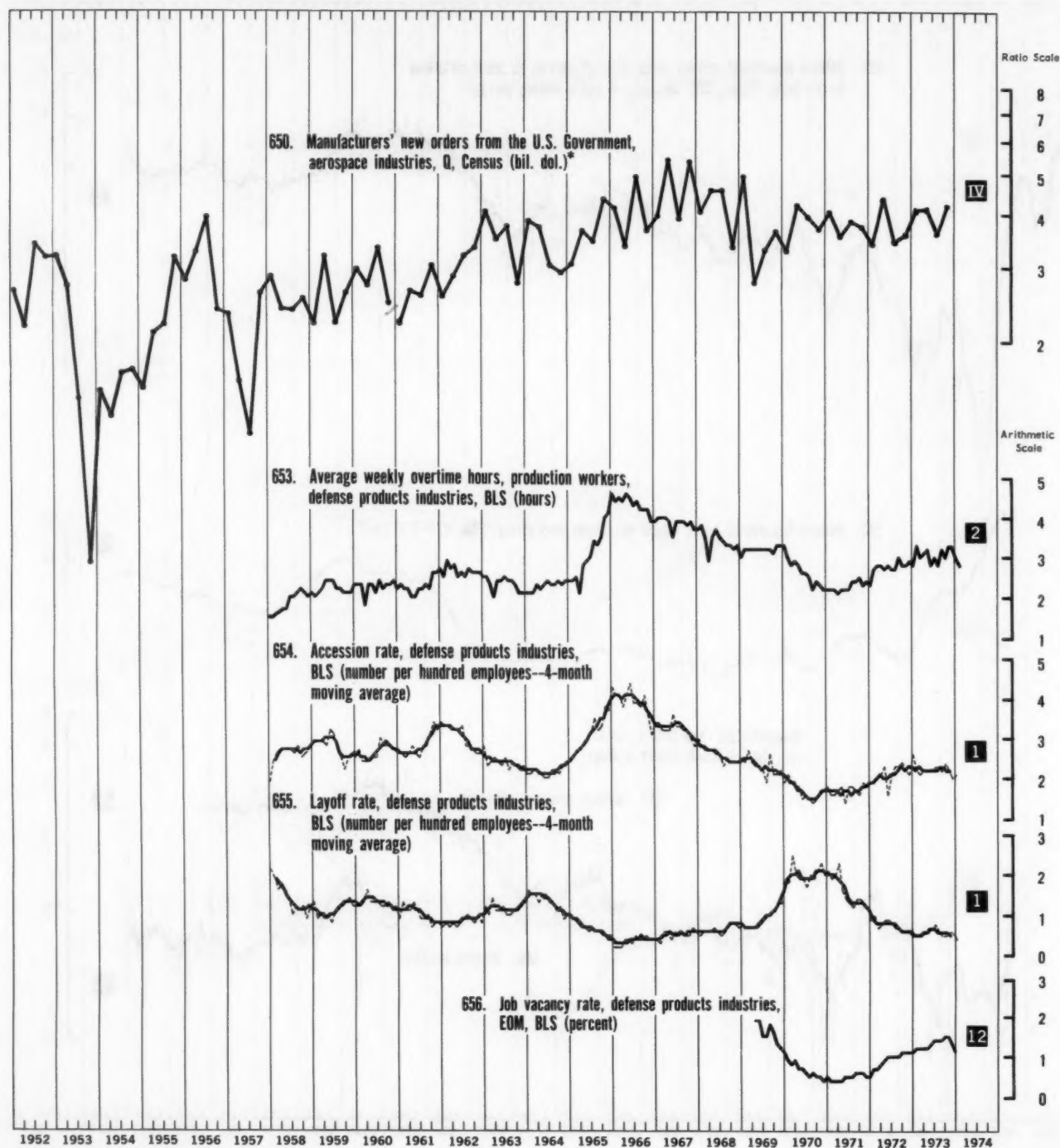
¹Data prior to July 1955 exclude orders written to other Government agencies.

²Data for the following months not available: July of 1956-71; August of 1956-57 and 1963-66; September of 1957, 1963, and 1965; and October and November of 1963.

*Contract awards for November 1953--\$265 million; December 1953--\$390 million. Current data for these series are shown on pages 16 and 20.

CHART
2

Advance Indicators of Defense Activity--Continued

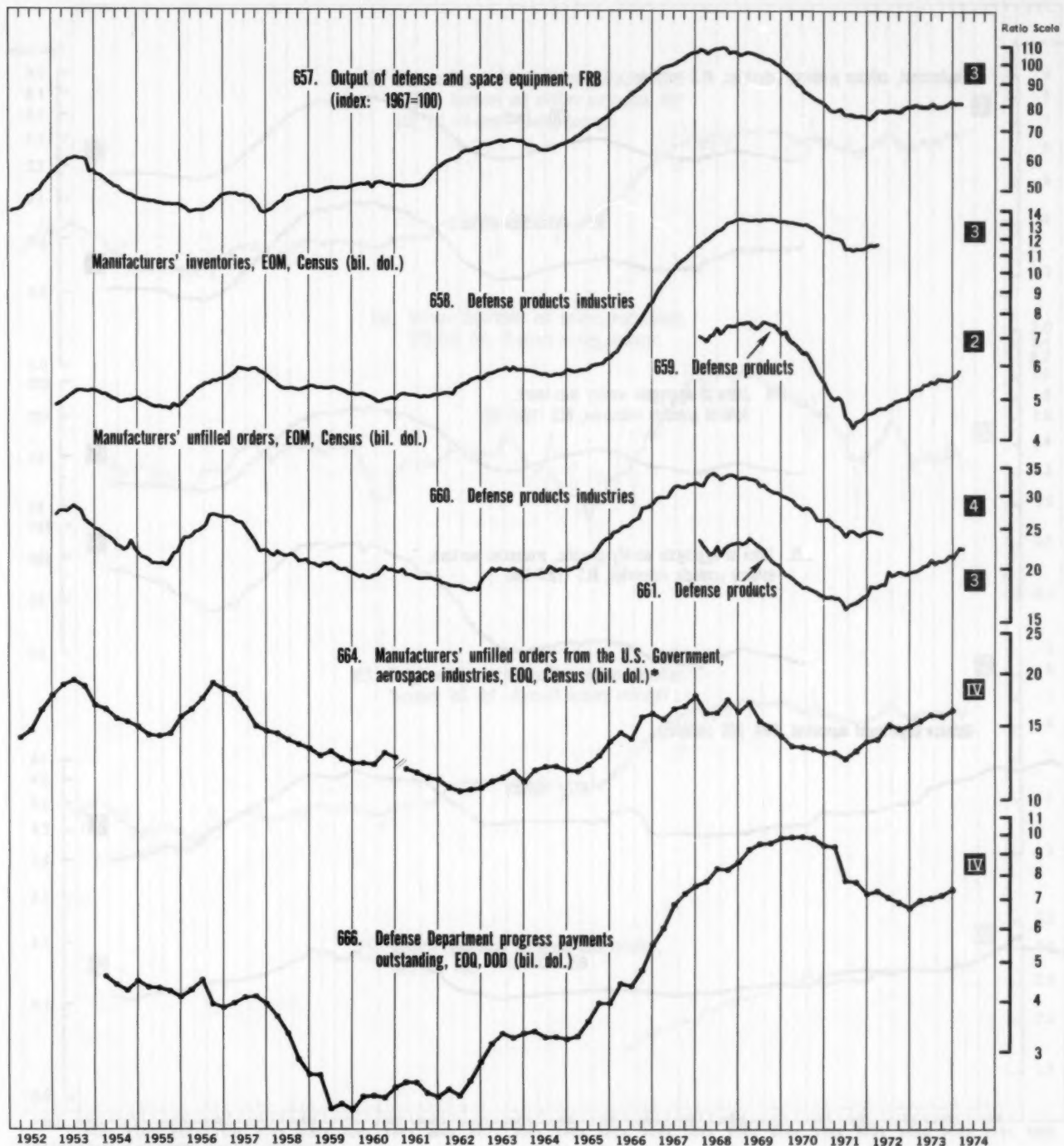


*Data prior to 1961 include orders from non-Government customers.
Current data for these series are shown on pages 20 and 21.

CHART

3

Intermediate and Final Indicators of Defense Activity

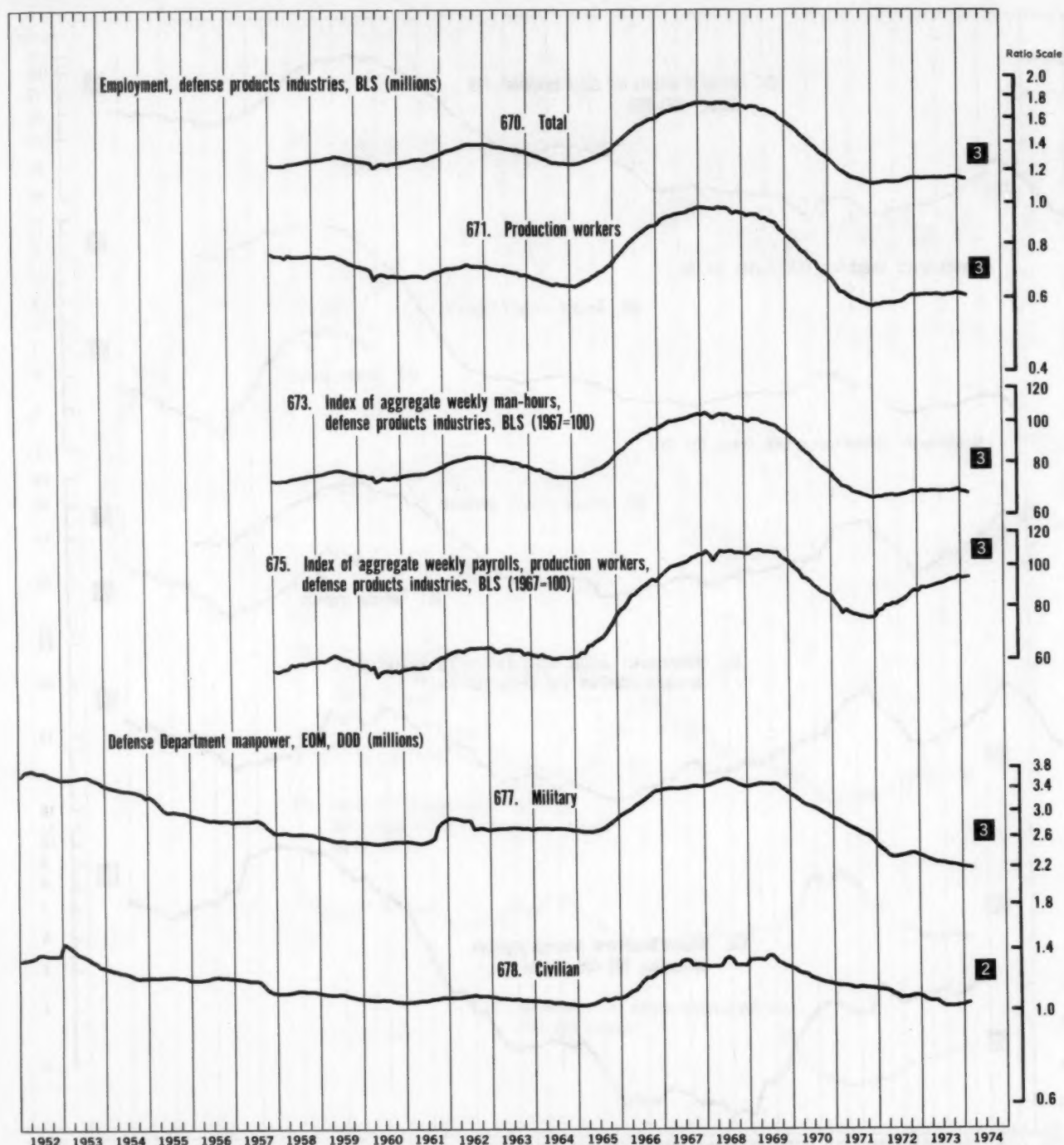


*Data prior to 1961 include orders from non-Government customers.
Current data for these series are shown on page 22.

CHART

3

Intermediate and Final Indicators of Defense Activity--Continued

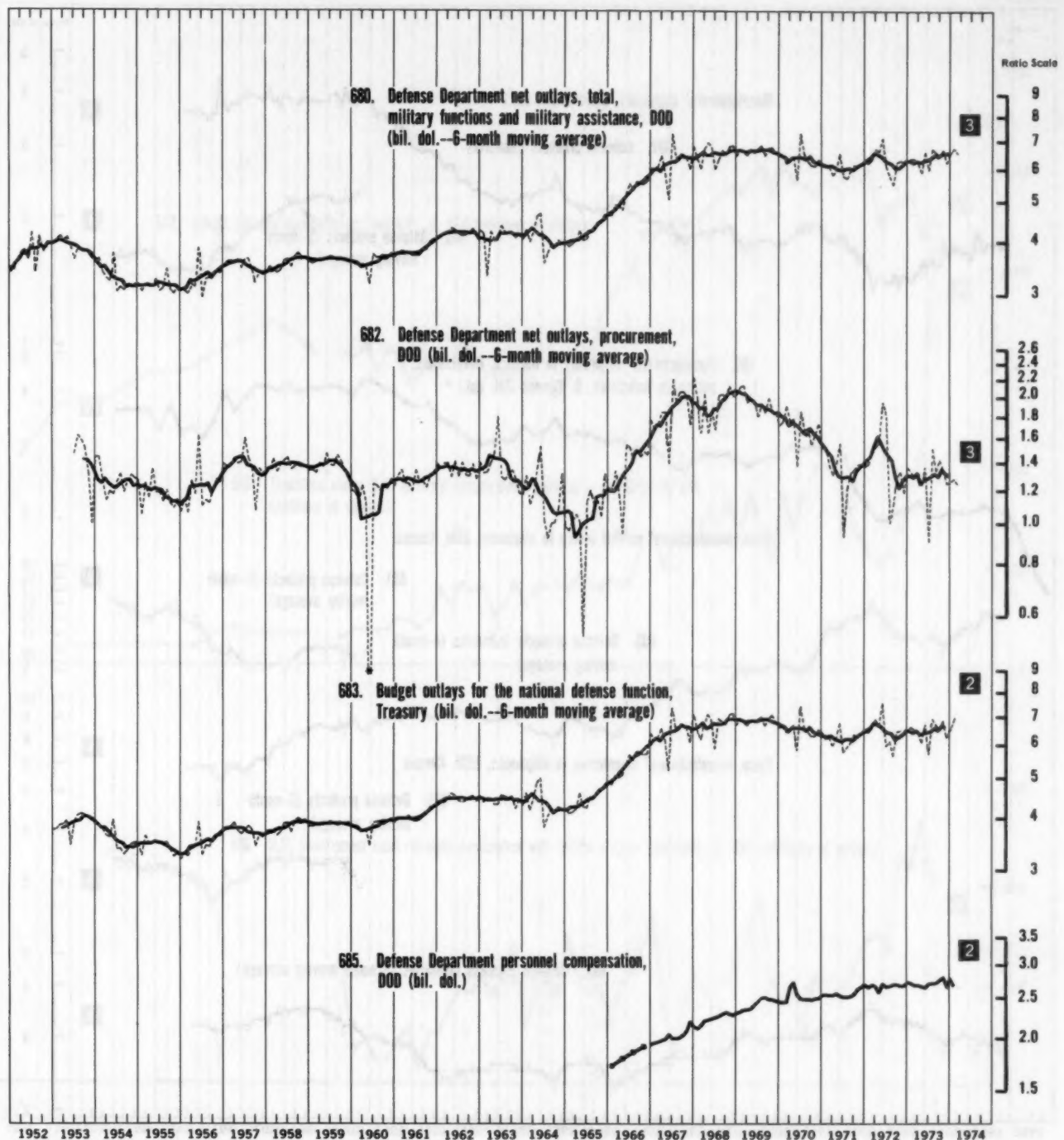


Current data for these series are shown on pages 22, 23, and 24.

CHART

3

Intermediate and Final Indicators of Defense Activity--Continued

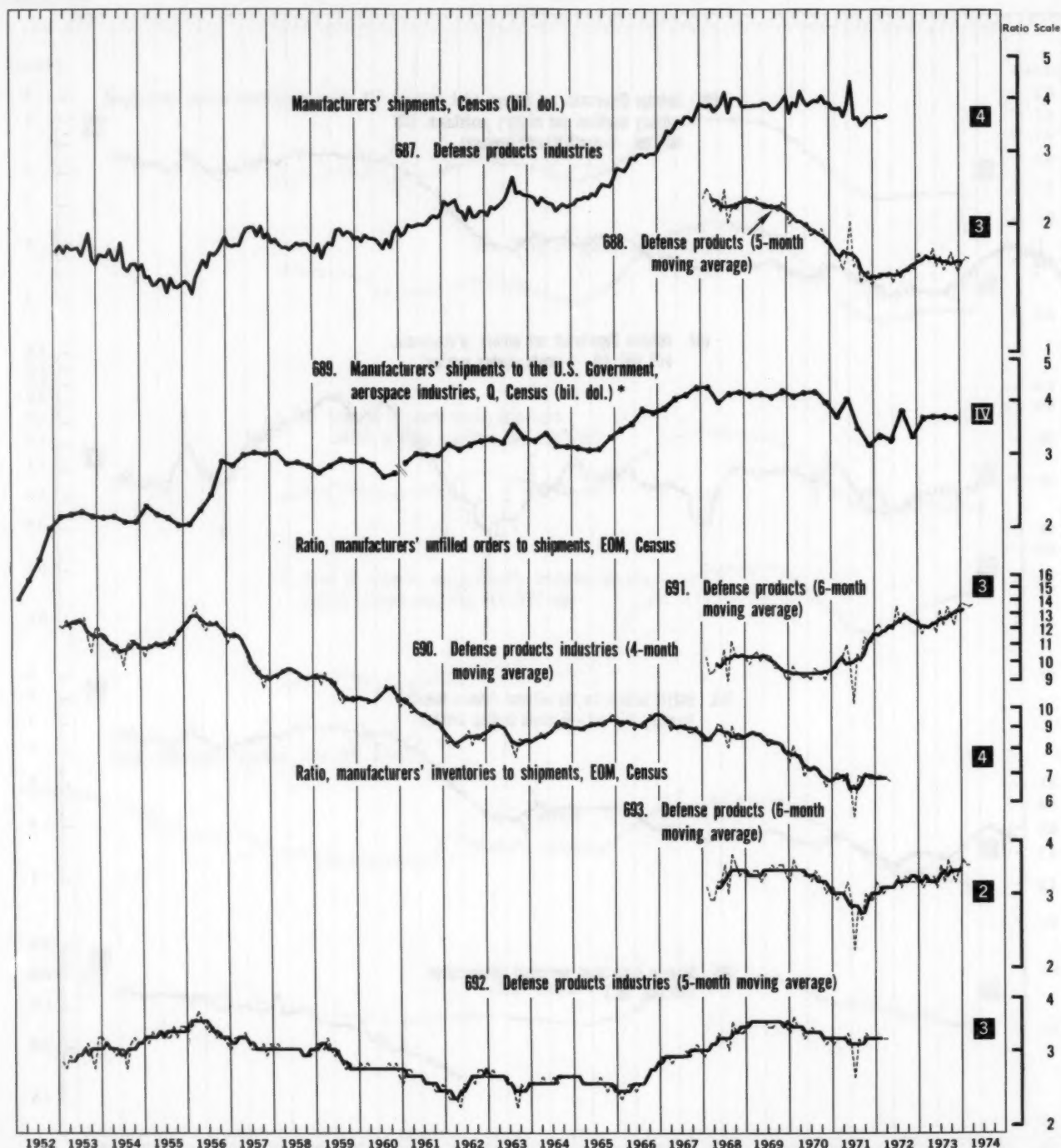


*Net expenditures for procurement, June 1960--\$245 million.
Current data for these series are shown on pages 24 and 25.

CHART

3

Intermediate and Final Indicators of Defense Activity--Continued

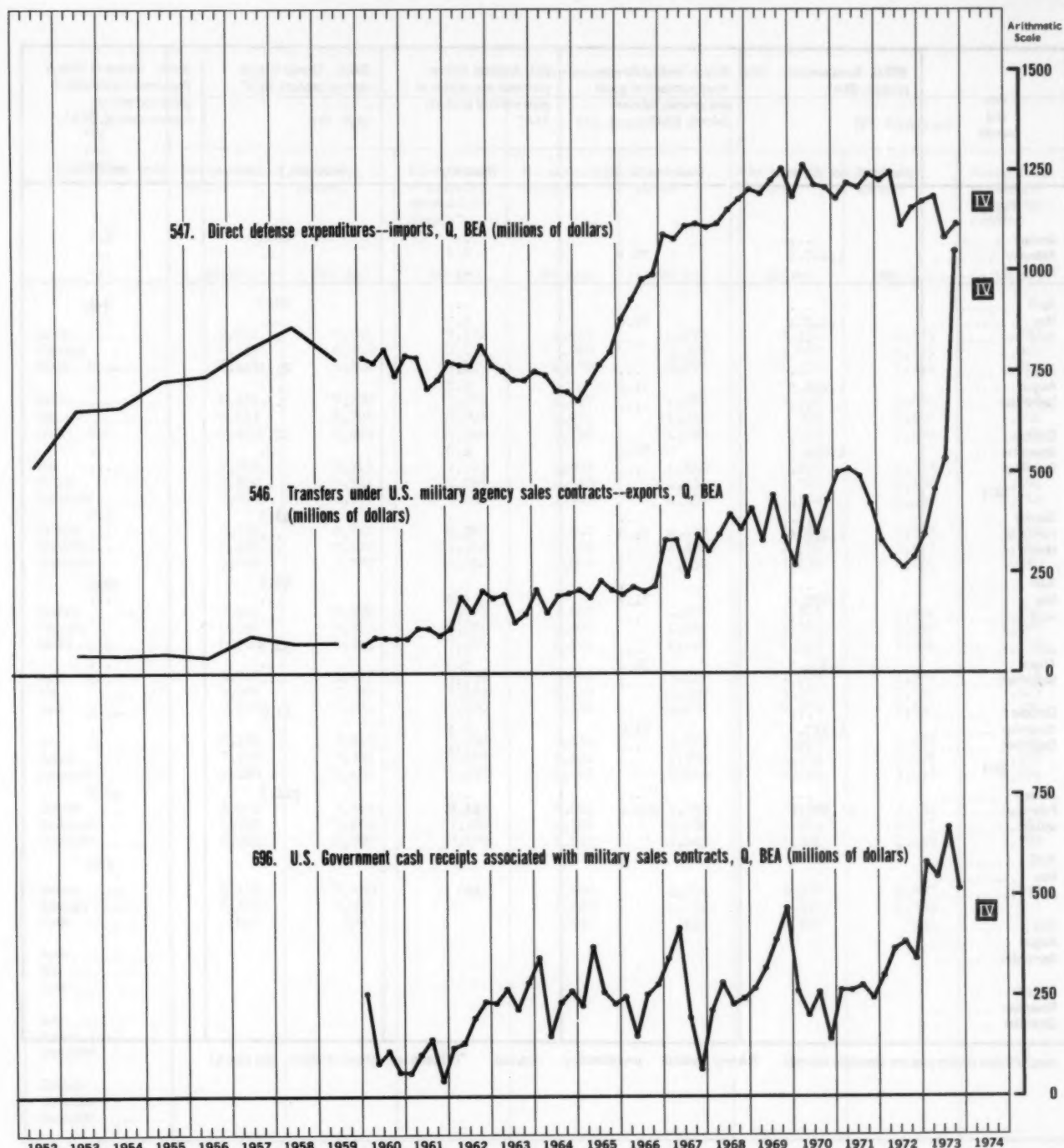


*Data prior to 1961 include shipments to non-Government customers.
Current data for these series are shown on page 26.

CHART

4

Defense-Related Balance of Payments Components



Current data for these series are shown on page 27.

defense indicators

TABLE

1

Gross National Product and National Defense Purchases

Year and month	200(a). Gross national product, BEA*	264(a). Federal Government purchases of goods and services, national defense, BEA*	613. National defense purchases as a percent of gross national product, BEA*	200(b). Change in gross national product, BEA*	264(b). Change in Federal Government purchases of goods and services, national defense, BEA*
	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)
1972					
January .....	...	...	...	28.3	4.1
February	1,112.5	76.5	6.9	...	...
March .....	...	...	...	...	...
April .....	...	...	...	29.9	0.1
May	1,142.4	76.6	6.7	...	...
June .....	...	...	...	...	...
July .....	...	...	...	24.1	-4.7
August	1,166.5	71.9	6.2	...	...
September .....	...	...	...	...	...
October .....	...	...	...	32.7	0.5
November	1,199.2	72.4	6.0	...	...
December .....	...	...	...	...	...
1973					
January .....	...	...	...	43.3	1.9
February	1,242.5	74.3	6.0	...	...
March .....	...	...	...	...	...
April .....	...	...	...	29.5	-0.1
May	1,272.0	74.2	5.8	...	...
June .....	...	...	...	...	...
July .....	...	...	...	32.5	0.0
August	1,304.5	74.2	5.7	...	...
September .....	...	...	...	...	...
October .....	...	...	...	33.0	-1.2
November	1,337.5	73.0	5.5	...	...
December .....	...	...	...	...	...
1974					
January .....	...	...	...	p14.3	p3.2
February	p1,351.8	p76.2	p5.6		
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					

Note: All data on this page are seasonally adjusted. NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 5.)

Advance Indicators of Defense Activity

Year and month	Defense Department gross obligations incurred, DOD							
	617. Total			619. Operations		621. Procurement		
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972								
January	7,772	7,721	7,134	4,623	4,572	2,534	2,329	1,887
February	6,542	6,956	7,133	3,990	4,338	1,667	1,755	1,845
March	6,445	6,854	7,139	4,170	4,375	1,470	1,744	1,816
April	6,455	7,290	7,073	4,437	4,361	1,278	1,660	1,768
May	5,813	6,729	7,005	4,084	4,323	993	1,448	1,704
June	9,429	6,889	7,166	5,110	4,396	2,975	1,670	1,771
July	7,769	7,310	7,123	4,933	4,410	1,310	1,949	1,719
August	7,810	7,921	7,065	4,559	4,456	1,767	2,158	1,694
September	6,899	6,599	7,127	4,345	4,516	1,582	1,432	1,722
October	7,178	6,941	7,067	4,647	4,419	1,757	1,507	1,656
November	6,489	7,102	7,014	4,193	4,488	1,556	1,617	1,603
December	6,066	6,530	6,904	4,027	4,456	1,456	1,274	1,550
1973								
January	7,414	6,990	7,023	4,688	4,494	1,815	1,631	1,595
February	6,691	7,260	7,011	4,097	4,656	1,785	1,838	1,569
March	6,716	7,313	7,009	4,174	4,427	1,435	1,704	1,588
April	6,342	6,873	7,096	4,522	4,445	1,028	1,349	1,648
May	5,997	7,086	7,183	4,195	4,393	1,171	1,730	1,623
June	9,327	7,054	7,190	5,122	4,471	2,871	1,633	1,596
July	8,180	7,510	7,052	5,334	4,679	1,019	1,483	1,495
August	7,505	7,304	7,162	4,634	4,552	1,393	1,676	1,568
September	6,289	6,486	7,197	4,201	4,429	1,168	1,099	1,575
October	8,074	7,533	7,120	5,024	4,716	2,105	1,788	1,494
November	6,917	7,293	7,160	4,346	4,652	1,714	1,771	1,593
December	6,041	6,597	7,172	4,133	4,643	1,321	1,149	1,599
1974								
January	8,113	7,750	(NA)	4,991	4,714	2,337	2,077	(NA)
February	6,826	7,375		4,187	4,758	1,677	1,708	
March	(NA)	(NA)		(NA)	(NA)	(NA)	(NA)	
April								
May								
June								
July								
August								
September								
October								
November								
December								

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 6.)

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	623. Gross obligations incurred outside the Federal Government for national defense, Treasury		Defense Department military prime contract awards for work performed in the United States, DOD						
	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	625. Total			626. Aircraft		627. Missile and space systems	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972									
January	8,256	7,399	3,210	3,520	3,048	634	...	359	...
February	7,168	7,444	2,499	2,982	3,112	469	1,981	410	1,395
March	7,294	7,421	2,871	3,025	3,061	726	...	473	...
April	7,401	7,392	2,167	2,985	3,075	471	...	257	...
May	7,196	7,239	2,204	2,786	3,001	367	2,129	209	1,255
June	7,037	7,355	5,574	3,154	2,944	1,586	...	481	...
July	7,335	7,257	3,415	3,074	2,894	955	...	681	...
August	7,867	7,177	2,593	2,638	2,887	529	1,940	326	1,154
September	6,707	7,381	2,815	2,725	3,021	523	...	481	...
October	6,923	7,371	3,008	2,946	2,917	395	...	516	...
November	8,416	7,231	2,997	3,589	2,876	427	1,584	491	1,283
December	6,977	7,371	2,611	2,532	2,919	612	...	359	...
1973									
January	6,496	7,490	2,578	2,824	2,956	728	...	377	...
February	8,706	7,501	2,418	2,899	2,893	328	1,942	297	1,306
March	7,421	7,281	2,841	2,947	2,824	721	...	504	...
April	6,986	p7,264	1,854	2,568	2,884	122	...	233	...
May	7,098	p7,477	2,489	3,171	2,765	866	1,948	129	967
June	p6,877	p7,266	5,122	2,897	2,828	1,243	...	349	...
July	7,773	p7,294	2,357	2,106	2,873	396	...	207	...
August	7,441	p7,619	3,224	3,276	2,975	611	1,804	921	1,200
September	7,588	p7,672	3,309	3,222	3,032	867	...	435	...
October	8,935	7,592	3,198	3,176	3,024	939	...	368	...
November	7,417	7,662	2,967	3,515	3,236	686	2,150	283	1,138
December	6,396	7,734	2,944	2,850	3,214	316	...	563	...
1974									
January	8,194	(NA)	3,084	3,378	(NA)	1,093	...	206	...
February	7,874		2,613	3,141		598	(NA)	305	(NA)
March	(NA)		(NA)	(NA)		(NA)		(NA)	
April									
May									
June									
July									
August									
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 6 and 7.)

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued						
	628. Ships, not seasonally adjusted	629. Weapons and ammunition		630. Electronic and communications equipment		631. Combat vehicles	
		Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	851	257	...	307	...	13	...
February	132	250	779	324	1,083	7	51
March	165	225	...	347	...	13	...
April	59	235	...	248	...	37	...
May	89	225	734	272	959	17	103
June	194	448	...	731	...	72	...
July	160	41	...	234	...	6	...
August	370	82	562	215	931	18	131
September	311	166	...	298	...	140	...
October	276	292	...	302	...	15	...
November	266	269	614	401	937	40	98
December	148	236	...	228	...	33	...
1973							
January	84	207	...	214	...	14	...
February	378	226	658	215	939	11	60
March	85	195	...	420	...	11	...
April	82	150	...	237	...	12	...
May	78	184	725	351	959	15	65
June	139	566	...	654	...	54	...
July	337	21	...	131	...	50	...
August	220	81	436	354	990	24	80
September	203	114	...	313	...	27	...
October	161	105	...	248	...	116	...
November	465	106	310	392	900	21	214
December	588	192	...	261	...	56	...
1974							
January	52	135	...	311	...	102	...
February	212	244	(NA)	415	(NA)	5	(NA)
March	(NA)	(NA)		(NA)		(NA)	
April							
May							
June							
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised.

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued							
	632. Other hard goods		633. Soft goods		634. Construction		635. Services	
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972								
January	92	...	115	...	74	...	135	...
February	135	401	121	516	177	434	148	697
March	135	...	125	...	144	...	143	...
April	132	...	120	...	147	...	118	...
May	169	506	155	551	174	440	163	737
June	399	...	141	...	470	...	440	...
July	62	...	545	...	138	...	347	...
August	106	418	179	557	103	465	325	622
September	111	...	127	...	64	...	167	...
October	107	...	111	...	77	...	571	...
November	111	318	85	539	88	368	132	799
December	115	...	358	...	69	...	155	...
1973								
January	140	...	141	...	103	...	154	...
February	141	458	112	519	205	484	140	755
March	130	...	102	...	131	...	152	...
April	145	...	113	...	153	...	195	...
May	128	480	97	488	151	442	137	776
June	393	...	158	...	493	...	446	...
July	65	...	489	...	34	...	341	...
August	117	432	177	553	111	377	265	653
September	106	...	186	...	101	...	252	...
October	133	...	154	...	147	...	388	...
November	142	365	235	600	54	450	161	663
December	108	...	228	...	86	...	178	...
1974								
January	128	...	297	...	90	...	204	...
February	111	(NA)	145	(NA)	52	(NA)	138	(NA)
March	(NA)		(NA)		(NA)		(NA)	
April								
May								
June								
July								
August								
September								
October								
November								
December								

NA=not available; p=preliminary; r=revised.

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued					640. Defense Department military prime contract awards for work outside the United States, DOD	
	636. Contracts under \$10,000		637. Educational and nonprofit institutions		638. Civilian Health and Medical Program of the Uniformed Services (CHAMPUS), not seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted			
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	327	...	46	...	...	169	...
February	289	942	37	155	...	130	492
March	317	...	58	...	...	106	...
April	300	...	43	...	...	82	...
May	318	901	46	187	...	95	536
June	516	...	96	...	...	290	...
July	159	...	87	...	...	368	...
August	279	954	61	220	...	278	545
September	348	...	79	...	...	195	...
October	277	...	69	...	0	142	...
November	313	911	114	192	260	104	455
December	255	...	43	...	0	99	...
1973							
January	341	...	41	...	34	156	...
February	320	1,003	45	152	0	151	527
March	334	...	43	...	13	125	...
April	356	...	46	...	10	213	...
May	319	977	35	168	-1	83	645
June	551	...	76	...	0	264	...
July	225	...	61	...	0	368	...
August	210	997	123	259	10	244	497
September	390	...	86	...	229	159	...
October	319	...	85	...	35	194	...
November	335	1,059	87	169	0	240	833
December	326	...	29	...	13	186	...
1974							
January	327	...	76	...	63	160	...
February	333	(NA)	55	(NA)	0	114	(NA)
March	(NA)	...	(NA)	...	(NA)	(NA)	...
April							
May							
June							
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised.

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department gross unpaid obligations outstanding, DOD						648. Manufacturers' new orders, defense products, Census		650. Manufacturers' new orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*
	643. Total		644. Operations		645. Procurement				
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1972									
January	33,734	32,879	5,303	4,998	21,702	21,131	2,339	1,747	...
February	33,554	32,832	5,021	5,011	21,877	21,364	1,426	1,749	3,399
March	32,480	32,742	4,635	4,864	21,637	21,680	1,582	1,695	...
April	32,152	32,976	4,439	4,727	21,360	21,774	1,763	1,902	...
May	30,675	32,772	3,891	4,323	20,672	21,578	1,486	1,700	4,369
June	31,347	32,417	4,211	4,700	20,982	20,692	2,818	1,734	...
July	32,546	33,109	4,739	4,881	20,570	20,820	1,123	1,771	...
August	33,684	33,350	5,043	4,807	20,813	21,347	1,634	1,717	3,453
September	34,563	33,985	5,349	5,104	21,237	21,280	1,803	1,707	...
October	35,251	34,026	5,845	5,196	21,645	21,537	1,437	1,541	...
November	35,009	34,255	5,671	5,270	21,836	21,663	1,425	1,647	3,585
December	34,601	34,225	5,438	5,384	22,023	21,634	1,824	1,662	...
1973									
January	35,171	34,280	5,741	5,381	22,326	21,718	1,760	1,677	...
February	35,287	34,426	5,589	5,523	22,721	21,953	1,725	1,762	4,093
March	34,766	34,976	5,273	5,586	22,469	22,291	1,889	1,833	...
April	34,297	35,140	5,424	5,807	22,044	22,244	1,952	1,892	...
May	33,409	35,693	5,227	5,886	21,753	22,565	1,849	1,798	4,128
June	34,621	35,877	5,301	6,044	22,806	22,558	2,175	1,820	...
July	e35,500	e36,188	e6,200	e6,385	e22,100	e22,620	1,199	1,766	...
August	37,069	36,666	6,754	6,420	22,432	22,960	1,855	1,756	r3,591
September	36,829	36,285	6,719	6,454	22,195	22,556	1,565	1,807	...
October	38,039	36,682	7,519	6,660	22,679	22,656	1,893	1,668	...
November	37,680	36,869	7,193	6,673	22,877	22,763	2,154	1,865	p4,231
December	37,244	36,839	7,064	6,994	22,932	22,615	1,343	r1,915	...
1974									
January	38,249	37,280	7,425	6,959	23,791	23,143	2,378	p1,921	...
February	37,963	37,001	7,055	6,964	24,032	23,175	r2,159		(NA)
March	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	p1,601		
April									
May									
June									
July									
August									
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 7 and 8.)

Advance Indicators of Defense Activity--Continued

Year and month	653. Average weekly overtime hours, production workers, defense products industries, BLS		654. Accession rate, defense products industries, BLS			655. Layoff rate, defense products industries, BLS			656. Job vacancy rate, defense products industries, BLS, not seasonally adjusted*
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--4-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--4-month*	
	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Percent)
1972		(¹)	.	(¹)	(¹)		(¹)	(¹)	(¹)
January	2.4	2.3	1.8	1.9	1.9	1.2	0.9	1.1	0.7
February	2.5	2.7	1.7	1.9	1.9	1.2	1.0	0.9	0.7
March	2.7	2.8	1.9	2.0	2.0	1.0	0.7	0.8	0.8
April	2.5	2.8	1.9	2.1	2.1	0.9	0.8	0.8	0.9
May	2.4	2.7	2.2	2.3	2.0	0.7	0.9	0.8	1.0
June	2.8	2.8	2.5	1.6	2.0	0.6	0.9	0.8	1.0
July	2.4	2.7	2.2	2.1	2.1	0.6	0.8	0.8	1.0
August	2.7	2.7	2.6	2.3	2.1	0.6	0.7	0.8	1.0
September	3.2	3.0	2.5	2.3	2.2	0.6	0.7	0.7	1.1
October	3.0	2.8	2.4	2.4	2.3	0.6	0.6	0.6	1.1
November	3.1	2.8	1.9	2.2	2.2	0.6	0.6	0.6	1.1
December	3.4	2.9	1.5	2.1	2.3	0.5	r0.6	0.6	1.1
1973									
January	2.9	2.8	2.5	2.6	2.3	0.8	r0.5	r0.6	1.2
February	3.1	3.3	2.0	2.2	2.2	0.7	r0.5	0.5	1.2
March	2.9	3.0	2.0	2.1	2.3	0.7	r0.5	r0.5	1.2
April	2.8	3.1	2.0	2.2	2.2	0.6	r0.6	r0.6	1.2
May	2.9	3.2	2.2	r2.2	2.2	0.5	0.7	0.6	1.3
June	2.8	2.8	2.9	r2.2	2.2	0.5	r0.7	0.7	1.4
July	2.7	3.0	2.5	r2.3	2.2	0.6	0.8	0.7	1.4
August	2.8	2.8	2.6	2.3	2.2	0.5	0.6	r0.6	1.4
September	3.4	3.2	2.4	2.2	r2.3	0.4	0.5	0.6	1.5
October	3.2	3.0	2.5	r2.4	2.3	0.6	r0.5	0.6	1.5
November	3.6	3.3	2.0	r2.2	2.2	0.7	r0.6	0.6	1.3
December	3.7	r3.3	1.3	r2.0	2.2	0.5	r0.6	0.5	1.1
1974									
January	r2.9	r3.0	2.1	2.1	(NA)	0.7	0.4	(NA)	(NA)
February	p2.7	p2.8	(NA)	(NA)		(NA)	(NA)		
March	(NA)	(NA)							
April									
May									
June									
July									
August									
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 8.)

¹ See "New Features and Changes for This Issue," page 3.

defense indicators

TABLE
3

Intermediate and Final Indicators of Defense Activity

Year and month	657. Output of defense and space equipment, FRB, seasonally adjusted*	659. Manufacturers' inventories, defense products, Census, seasonally adjusted*	661. Manufacturers' unfilled orders, defense products, Census, seasonally adjusted*	664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*	666. Defense Department progress payments outstanding, DOD, not seasonally adjusted*	670. Employment in defense products industries, total, BLS	
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	Not seasonally adjusted	Seasonally adjusted*
1972						(Thous.)	(Thous.)
January	74.8	4,594	18,080	...	...	1,108	1,105
February	76.0	4,627	17,982	...	...	1,109	1,108
March	77.6	4,706	18,047	14,052	7,297	1,108	1,109
April	78.1	4,720	18,288	...	...	1,109	1,116
May	77.7	4,711	18,243	...	...	1,109	1,117
June	78.1	4,802	19,607	15,233	7,043	1,113	1,116
July	78.3	4,831	19,174	...	...	1,113	1,115
August	78.1	4,911	19,320	...	...	1,114	1,117
September	77.6	4,937	19,572	14,819	6,866	1,125	1,119
October	77.9	4,978	19,436	...	...	1,131	1,128
November	79.6	4,988	19,289	...	...	1,142	1,137
December	80.1	5,087	19,553	15,106	6,668	1,146	1,143
1973							(¹)
January	79.8	5,210	19,615	...	...	1,145	1,141
February	80.6	5,248	19,710	...	...	1,143	1,142
March	80.1	5,266	19,934	15,526	6,942	1,139	1,140
April	80.0	5,384	20,246	...	...	1,137	1,144
May	79.7	5,384	20,350	...	...	1,135	1,143
June	80.1	5,477	20,944	16,083	7,026	1,142	1,145
July	81.1	5,434	20,470	...	...	1,141	1,144
August	79.7	5,555	20,772	...	...	1,142	1,146
September	79.8	5,528	20,729	r15,904	7,139	1,148	1,143
October	80.0	5,531	20,912	...	...	1,150	1,147
November	80.9	5,508	21,457	...	...	1,154	1,150
December	81.9	5,615	21,252	p16,463	7,385	1,155	1,152
1974							
January	r81.2	5,679	22,016	...	...	r1,150	r1,147
February	r81.3	5,837	r22,511	...	...	r1,143	1,141
March	p81.2	(NA)	p22,462	(NA)	(NA)	p1,134	p1,137
April							
May							
June							
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 9 and 10.)

¹ See "New Features and Changes for This Issue," page 3.

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	671. Employment in defense products industries, production workers, BLS		673. Index of aggregate weekly man-hours, defense products industries, BLS		675. Index of aggregate weekly payrolls, production workers, defense products industries, BLS	
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)
1972		(¹)		(¹)		(¹)
January	570	567	65.7	65.5	75.8	75.2
February	573	572	65.8	66.0	77.5	77.9
March	571	572	65.9	65.9	78.2	78.2
April	572	577	65.9	66.4	78.7	80.1
May	571	577	65.8	66.4	78.7	79.9
June	575	578	66.3	66.6	79.9	81.0
July	575	578	65.7	66.3	78.5	80.7
August	578	581	66.1	66.5	80.8	81.9
September	587	582	67.1	66.8	83.7	82.8
October	592	589	67.4	67.1	84.6	84.1
November	604	599	68.4	67.7	88.0	86.0
December	608	604	68.9	67.9	90.6	87.2
1973						
January	606	602	67.8	67.6	87.2	86.6
February	606	604	68.1	68.3	88.2	88.6
March	603	605	67.9	67.9	88.3	88.3
April	601	606	67.4	68.0	87.2	88.7
May	599	605	67.6	68.2	88.0	89.3
June	603	606	67.9	68.2	88.7	89.8
July	603	607	67.4	68.1	88.1	90.5
August	601	604	67.6	68.0	89.5	90.7
September	608	603	68.6	68.2	92.6	91.6
October	610	607	68.4	68.1	93.0	92.5
November	611	606	69.1	68.4	94.9	92.7
December	615	611	69.5	68.5	97.6	93.9
1974						
January	611	608	r68.1	r67.9	r94.0	r93.3
February	r606	r605	67.6	67.8	93.4	93.6
March	p600	p602	p67.4	p67.4	p93.7	p93.6
April						
May						
June						
July						
August						
September						
October						
November						
December						

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¹ See "New Features and Changes for This Issue," page 3.

defense indicators

TABLE

3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department manpower, DOD		Defense Department net outlays, DOD				
	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Total, military functions and military assistance			681. Operations	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	2,462	1,119	5,973	6,280	6,209	3,971	4,144
February	2,426	1,117	6,128	6,205	6,306	4,013	4,069
March	2,385	1,112	6,944	6,341	6,398	4,307	4,112
April	2,341	1,107	6,539	6,722	6,550	4,294	4,248
May	2,319	1,090	6,911	6,623	6,521	4,535	4,459
June	2,323	1,083	8,769	7,130	6,448	4,271	3,615
July	2,332	1,068	4,987	6,107	6,308	3,972	4,436
August	2,344	1,073	5,679	5,766	6,228	3,928	3,937
September	2,356	1,071	5,212	5,502	6,174	3,805	3,975
October	2,371	1,081	6,107	6,237	6,024	3,925	4,079
November	2,370	1,083	6,313	6,303	6,049	4,084	4,074
December	2,348	1,082	6,063	6,232	6,151	4,012	4,093
1973							
January	2,334	1,073	6,388	6,256	6,295	4,119	4,107
February	2,314	1,057	6,054	6,377	6,288	3,988	4,162
March	2,291	1,051	6,736	6,366	6,220	4,217	4,167
April	2,274	1,051	6,222	6,194	6,281	4,087	3,970
May	2,256	1,051	6,213	5,896	6,235	4,033	3,946
June	2,253	1,031	7,854	6,597	6,291	4,537	3,935
July	2,251	1,019	5,005	5,978	6,330	3,669	4,018
August	2,237	1,022	6,649	6,716	6,371	4,279	4,228
September	2,232	1,019	5,967	6,598	6,503	4,027	4,316
October	2,227	1,022	6,527	6,444	6,441	4,105	4,156
November	2,218	1,026	6,766	6,683	6,534	4,359	4,378
December	2,202	1,026	5,953	6,228	6,535	4,066	4,226
1974							
January	2,199	1,034	6,728	6,538	p6,522	4,376	4,333
February	2,195	p1,039	6,384	6,717		4,137	4,313
March	p2,187	(NA)	p6,691	p6,525		p4,396	p4,362
April							
May							
June							
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See pages 10 and 11.)

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department net outlays, DOD--Continued			683. Budget outlays for the national defense function, Treasury		685. Defense Department personnel compensation, DOD	
	682. Procurement			Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted*
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							
January	1,276	1,372	1,393	6,449	6,425	2,713	2,687
February	1,367	1,391	1,424	6,442	6,517	2,681	2,642
March	1,666	1,476	1,453	6,582	6,585	2,778	2,686
April	1,456	1,528	1,547	6,912	6,774	2,625	2,660
May	1,621	1,564	1,620	6,684	6,695	2,638	2,571
June	2,390	1,952	1,555	7,574	6,644	2,711	2,700
July	1,675	1,810	1,494	5,976	6,492	2,651	2,654
August	975	1,002	1,456	6,136	6,418	2,693	2,669
September	1,072	1,111	1,417	5,667	6,387	2,610	2,690
October	1,306	1,299	1,290	6,472	6,179	2,636	2,687
November	1,254	1,331	1,216	6,499	6,263	2,658	2,666
December	1,084	1,189	1,271	6,320	6,347	2,609	2,670
1973							
January	1,355	1,367	1,301	6,483	6,493	2,811	2,723
February	1,243	1,329	1,306	6,641	6,482	2,666	2,709
March	1,439	1,291	1,291	6,541	6,415	2,728	2,677
April	1,287	1,330	1,322	6,409	6,489	2,675	2,675
May	1,315	1,243	1,245	6,099	6,353	2,736	2,658
June	1,649	1,371	1,276	6,761	6,404	2,615	2,639
July	863	907	1,285	5,671	6,434	2,712	2,701
August	1,450	1,513	1,300	6,945	6,455	2,735	2,713
September	1,239	1,344	1,318	6,718	6,585	2,615	2,712
October	1,487	1,425	1,298	6,536	6,504	2,732	2,757
November	1,268	1,349	1,357	6,877	6,650	2,765	2,793
December	1,124	1,250	1,318	6,276	6,643	2,589	2,642
1974							
January	1,270	1,262	p1,300	6,550	(NA)	2,879	2,784
February	1,195	1,276		6,899		p2,627	2,667
March	p1,313	p1,241		(NA)		(NA)	(NA)
April							
May							
June							
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 11.)

defense indicators

TABLE
3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	688. Manufacturers' shipments, defense products, Census		689. Manufacturers' shipments to the U.S. Government, aerospace industries, Census, seasonally adjusted*	691. Ratio, manufacturers' unfilled orders to shipments, defense products, Census		693. Ratio, manufacturers' inventories to shipments, defense products, Census	
	Seasonally adjusted*	Moving average of seasonally adjusted data—5-month*		Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*
	(Mil. dol.)	(Mil. dol.)		(Ratio)	(Ratio)	(Ratio)	(Ratio)
1972							
January	1,478	1,500	...	12.2	11.5	3.1	3.0
February	1,524	1,496	3,298	11.8	11.7	3.0	3.1
March	1,517	1,514	...	11.9	11.8	3.1	3.1
April	1,522	1,510	...	12.0	12.1	3.1	3.1
May	1,531	1,516	3,225	11.9	12.1	3.1	3.1
June	1,454	1,510	...	13.5	12.3	3.3	3.2
July	1,556	1,516	...	12.3	12.5	3.1	3.2
August	1,488	1,524	3,767	13.0	12.6	3.3	3.2
September	1,551	1,548	...	12.6	12.7	3.2	3.2
October	1,573	1,549	...	12.4	12.5	3.2	3.3
November	1,572	1,591	3,275	12.3	12.4	3.2	3.3
December	1,560	1,607	...	12.5	12.2	3.3	3.2
1973							
January	1,698	1,625	...	11.6	12.1	3.1	3.2
February	1,630	1,639	3,628	12.1	12.1	3.2	3.3
March	1,665	1,676	...	12.0	12.0	3.2	3.2
April	1,640	1,653	...	12.4	12.2	3.3	3.2
May	1,746	1,661	3,635	11.7	12.3	3.1	3.2
June	1,583	1,639	...	13.2	12.5	3.5	3.3
July	1,673	1,632	...	12.2	12.6	3.2	3.4
August	1,552	1,625	r3,641	13.4	12.6	3.6	3.3
September	1,607	1,630	...	12.9	12.9	3.4	3.4
October	1,710	1,605	...	12.2	13.0	3.2	3.4
November	1,607	1,617	p3,628	13.4	13.2	3.4	3.4
December	1,547	r1,629	...	13.7	r13.2	3.6	3.4
1974							
January	1,616	p1,617	...	13.6	p13.3	3.5	(NA)
February	r1,664		(NA)	r13.5		3.5	
March	p1,651			p13.6		(NA)	
April							
May							
June							
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised. *Indicates series shown in charts. (See page 12.)

Defense-Related Balance of Payments Components

Year and month	546. Transfers under U.S. military agency sales contracts (exports), BEA		547. Direct defense expenditures (imports), BEA, not seasonally adjusted*	696. U.S. Government cash receipts associated with military sales contracts, BEA	
	Not seasonally adjusted	Seasonally adjusted*		Not seasonally adjusted	Seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972					
January .....	...	...	...	...	...
February	311	328	1,222	237	300
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	327	288	1,242	374	366
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August	228	262	1,108	325	383
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November	299	287	1,151	455	342
December .....	...	...	...	...	...
1973					
January .....	...	...	...	...	...
February	325	343	1,168	517	580
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	514	455	1,185	553	545
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August	466	r532	r1,073	605	663
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November	p1,060	p1,035	p1,110	p624	p511
December .....	...	...	...	...	...
1974					
January .....	...	...	...	...	...
February	(NA)	(NA)	(NA)	(NA)	(NA)
March
April
May
June
July
August
September
October
November
December

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Appendix A. SEASONAL ADJUSTMENT FACTORS

Series title	1973						1974					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
MONTHLY SERIES												
Defense Department gross obligations incurred:												
617. Total ¹	108.9	102.8	97.0	107.2	94.8	91.6	104.7	92.6	88.7	94.7	87.8	122.7
619. Operations ¹	114.0	101.8	94.9	106.5	93.4	89.0	105.9	88.0	93.2	103.7	95.1	112.9
621. Procurement	68.7	83.1	106.3	117.7	96.8	115.0	112.5	98.2	84.1	75.8	67.2	174.6
623. Gross obligations incurred outside the Federal Government for national defense ¹	109.5	106.3	91.3	107.0	100.2	96.2	104.9	87.6	92.3	95.7	89.8	113.8
625. Defense Department military prime contract awards for work performed in the United States	111.9	98.4	102.7	100.7	84.4	103.3	91.3	83.2	97.2	72.0	78.1	176.9
Defense Department gross unpaid obligations outstanding: ²												
643. Total	98.1	101.1	101.5	103.7	102.2	101.1	102.6	102.6	99.5	97.7	93.5	96.4
644. Operations	97.1	105.2	104.1	112.9	107.8	101.0	106.7	101.3	94.3	93.3	88.7	87.6
645. Procurement	97.7	97.7	98.4	100.1	100.5	101.4	102.8	103.7	100.9	99.2	96.4	101.0
648. Manufacturers' new orders, defense products ³	181.1	90.5	108.6	107.8	86.3	117.1	93.8	103.6	89.6	91.4	69.7	90.5
653. Average weekly overtime hours, production workers, defense products industries ⁴	-.3	.0	.2	.2	.3	.4	-.1	-.1	.0	-.3	-.3	.0
654. Accession rate, defense products industries ⁴	.2	.3	.2	.1	-.2	-.7	.0	-.2	-.1	-.2	.0	.7
655. Layoff rate, defense products industries ⁴	-.2	-.1	-.1	.1	.1	-.1	.3	.2	.2	.0	-.2	-.2
657. Output of defense and space equipment ³	98.7	99.0	100.0	100.1	100.9	101.5	100.7	99.9	100.4	99.4	99.9	100.8
659. Manufacturers' inventories, defense products ³	100.3	99.3	98.2	100.1	99.6	98.6	98.7	100.1	101.5	101.8	101.9	100.5
661. Manufacturers' unfilled orders, defense products ³	100.8	100.0	100.6	101.3	100.0	100.8	101.0	101.6	100.7	99.8	97.5	95.8
Employment in defense products industries:												
670. Total	99.8	99.7	100.5	100.3	100.4	100.3	100.3	100.1	99.8	99.5	99.3	99.7
671. Production workers	99.4	99.5	100.8	100.5	100.9	100.6	100.5	100.2	99.6	99.2	98.8	99.3
673. Index of aggregate weekly man-hours, defense products industries	99.0	99.4	100.5	100.4	101.0	101.5	100.3	99.8	100.0	99.3	99.3	99.8
675. Index of aggregate weekly payrolls, production workers, defense products industries	97.3	98.7	101.1	100.6	102.3	103.9	100.8	99.8	100.1	98.6	98.8	98.9
Defense Department net outlays:												
680. Total, military functions and military assistance ¹	83.7	99.0	90.4	101.3	101.2	95.6	102.9	95.0	102.5	103.5	106.8	114.2
681. Operations ¹	91.3	101.2	93.3	98.8	99.6	96.2	101.0	95.9	100.8	103.5	104.0	112.5
682. Procurement ¹	95.2	95.8	92.2	104.3	94.0	90.0	100.6	93.6	105.8	102.0	105.3	115.6
683. Budget outlays for the national defense function ¹	86.0	97.5	90.7	101.1	100.3	96.9	103.7	94.3	101.5	104.1	105.3	114.0
685. Defense Department personnel compensation ¹	100.4	100.8	96.4	99.1	99.0	98.0	103.4	98.5	101.2	100.2	103.2	98.8
688. Manufacturers' shipments, defense products ³	95.8	100.3	102.8	98.6	102.5	109.9	88.0	96.8	99.1	100.4	98.8	106.2
QUARTERLY SERIES												
	IIIQ			IVQ			IQ			IIQ		
200. Gross national product ³	98.8			104.4			95.6			100.9		
264. Fed. Govt. purchases of goods and services, national defense ³	97.4			101.1			97.3			103.4		
546. Transfers under U.S. military agency sales contracts-exports ⁵	-34			12			-17			39		
Defense Department military prime contract awards:												
626. Aircraft	103.9			90.3			91.1			114.9		
627. Missile and space systems	130.3			106.7			90.8			72.6		
629. Weapons and ammunition	49.5			129.9			96.3			124.5		
630. Electronic and communications equipment	80.6			100.1			92.0			126.6		
631. Combat vehicles	125.8			90.3			58.1			125.8		
632. Other hard goods	66.6			105.0			89.6			139.1		
633. Soft goods	154.0			102.9			67.6			75.3		
634. Construction	65.2			63.8			90.6			180.7		
635. Services	131.3			109.7			58.1			101.4		
636. Under \$10,000	82.8			92.5			99.3			125.3		
637. Educational and nonprofit institutions	104.2			118.6			84.2			93.1		
640. Outside U.S.	155.2			74.4			79.5			90.7		
Aerospace industries:												
650. Manufacturers' new orders from the U.S. Government	123.7			99.3			87.1			90.2		
664. Manufacturers' unfilled orders from the U.S. Government	102.6			101.5			99.7			96.3		
689. Manufacturers' shipments to the U.S. Government	98.8			105.0			93.8			102.5		
696. U.S. Govt. cash receipts associated with military sales contracts ⁴	-58			113			-63			8		

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures—imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation. The series on job vacancy rate, defense products industries (series 656) contains too few observations to be seasonally adjusted.

¹ Factors are products of seasonal and trading-day factors.

² Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

³ These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1972 and are derived by dividing the seasonally unadjusted data by the seasonally adjusted data.

⁴ These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

⁵ This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit seasonal factors for the calendar year 1972 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY

Part 1. Monthly Series

Series title	Period covered	\bar{O}	\bar{CI}	\bar{T}	\bar{C}	$\bar{I/C}$	MCD	Average duration of run (ADR)	
								CI	MCD
Defense Department gross obligations incurred:									
617. Total	Jan. '57-Mar. '72	19.03	7.81	7.70	0.81	9.47	6	1.57	2.46
619. Operations	July '59-Mar. '72	8.03	2.72	2.61	.70	3.70	4	1.77	3.04
621. Procurement	Jan. '57-Mar. '72	45.56	22.94	22.77	1.84	12.40	6	1.49	2.16
623. Gross obligations incurred outside the Federal Government for national defense	July '63-Mar. '72	(NA)	6.41	6.27	.81	7.74	6	1.51	2.68
625. Defense Department military prime contract awards for work performed in the United States, total	Jan. '57-Mar. '72	33.99	15.74	15.60	1.37	11.36	6	1.37	2.06
Defense Department gross unpaid obligations outstanding:									
643. Total	Jan. '57-Mar. '72	2.06	1.42	.91	.96	.95	1	2.84	2.84
644. Operations	Jan. '67-Mar. '72	5.20	2.58	2.42	.82	2.96	3	1.72	4.29
645. Procurement	Jan. '67-Mar. '72	2.58	1.88	1.16	1.27	.91	1	2.95	2.95
Manufacturers' new orders:									
647. Defense products industries	Jan. '57-Mar. '72	(NA)	15.11	14.89	.97	15.32	6	1.58	2.33
648. Defense products	Feb. '68-Mar. '72	22.24	17.00	16.75	1.50	11.16	6	1.40	2.32
*653. Average weekly overtime hours, production workers, defense products industries (hours)	Jan. '58-Mar. '72	.21	.14	.13	.05	2.76	3	2.21	3.43
*654. Accession rate, defense products industries (per 100 employees)	Jan. '58-Mar. '72	.39	.17	.16	.05	3.01	4	2.27	3.55
*655. Layoff rate, defense products industries (per 100 employees)	Jan. '58-Mar. '72	.17	.14	.14	.04	3.18	4	1.91	3.55
*656. Job vacancy rate, defense products industries (percent) ^(U)	Apr. '69-Mar. '72	.09	(NA)	.08	.05	1.71	3	2.69	5.50
657. Output of defense and space equipment	Jan. '54-Sep. '72	(NA)	1.04	.47	.89	.53	1	5.51	5.51
Manufacturers' inventories:									
658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2.80
659. Defense products	Jan. '68-Mar. '72	1.90	1.90	1.39	1.36	1.02	2	2.63	4.90
Manufacturers' unfilled orders:									
660. Defense products industries	Jan. '57-Mar. '72	(NA)	1.23	.90	.83	1.09	2	2.76	3.42
661. Defense products	Jan. '68-Mar. '72	1.99	1.64	1.06	1.05	1.01	2	3.57	4.90
Employment in defense products industries:									
670. Total	Jan. '58-Mar. '72	.80	.73	.26	.66	.40	1	6.07	6.07
671. Production workers	Jan. '58-Mar. '72	1.08	.92	.46	.74	.61	1	3.78	3.78
673. Index of aggregate weekly man-hours, defense products industries	Jan. '58-Mar. '72	.94	.80	.36	.68	.53	1	4.86	4.86
675. Index of aggregate weekly payrolls, production workers, defense products industries	Jan. '58-Mar. '72	1.58	1.08	.66	.81	.82	1	3.15	3.15
Defense Department manpower:									
677. Military ^(U)	Jan. '57-Mar. '72	.67	(NA)	.27	.60	.45	1	3.96	3.96
678. Civilian ^(U)	Jan. '57-Mar. '72	.54	(NA)	.33	.44	.75	1	4.44	4.44
Defense Department net outlays:									
680. Total, military functions and military assistance	Jan. '57-Mar. '72	8.48	3.82	3.73	.79	4.70	6	1.73	3.11
681. Operations	July '59-Mar. '72	7.84	3.51	3.26	.77	4.25	5	1.58	2.47
682. Procurement	Jan. '57-Mar. '72	14.27	11.62	11.51	1.59	7.25	6	1.57	2.72
683. Budget outlays for the national defense function	Jan. '57-Mar. '72	(NA)	3.80	3.71	.71	5.23	6	1.64	3.05
685. Defense Department personnel compensation	Jan. '67-Mar. '72	2.47	1.87	1.58	.87	1.80	3	2.48	4.62
Manufacturers' shipments:									
687. Defense products industries	Jan. '57-Mar. '72	(NA)	2.69	2.49	.87	2.85	3	1.64	3.40
688. Defense products	Jan. '68-Mar. '72	7.95	4.57	4.63	.94	4.91	5	1.47	3.29
Ratio, manufacturers' unfilled orders to shipments:									
690. Defense products industries	Jan. '57-Mar. '72	(NA)	2.95	2.71	.96	2.82	4	1.90	3.81
691. Defense products	Jan. '68-Mar. '72	9.30	5.11	5.04	.86	5.83	6	1.79	2.81
Ratio, manufacturers' inventories to shipments:									
692. Defense products industries	Jan. '57-Mar. '72	(NA)	2.84	2.90	.72	4.01	5	2.46	5.74
693. Defense products	Jan. '68-Mar. '72	9.58	5.19	5.29	.84	6.26	6	1.79	3.21

NA = not available.

*Measures for these series are based on actual changes rather than percent changes (see definition below). ^(U) indicates measures are based on unadjusted data.

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

" \bar{O} " is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

" \bar{CI} " is the same for the seasonally adjusted series.

" \bar{C} " is the same for the short-term trend, which is a smooth, flexible moving average of the seasonally adjusted series.

" \bar{T} " is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

" $\bar{I/C}$ " measures the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trend.

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All MCD's greater than "5" are shown as "6".

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series. In a random series, the expected ADR is 1.5 and the actual values fall between 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

Part 2. Quarterly Series

Series title	Period covered	\bar{O}	\bar{CI}	\bar{T}	\bar{C}	$\bar{T/C}$	QCD	Average duration of run (ADR)	
								CI	QCD
200. Gross national product	IQ '57-IQ '72 ...	5.74	1.69	0.33	1.61	0.21	1	8.57	8.57
264. Federal Government purchases of goods and services, national defense ...	IQ '57-IQ '72 ...	6.20	2.06	.76	1.73	.44	1	3.16	3.16
*546. Transfers under U.S. military agency sales contracts—exports (mil. dol.) ...	IQ '60-IQ '72 ...	66.79	45.21	34.88	21.28	1.64	2	1.50	2.14
*547. Direct defense expenditures—imports (mil. dol.) [Ⓢ]	IQ '60-IQ '72 ...	31.29	(NA)	21.52	19.61	1.10	2	1.92	2.76
*613. National defense purchases as a percent of GNP (percent)	IQ '57-IQ '72 ...	.33	.18	.08	.16	.48	1	5.45	5.45
650. Manufacturers' new orders from the U.S. Government, aerospace industries	IQ '61-IQ '72 ...	(NA)	17.36	15.66	5.47	2.86	3	1.33	1.83
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries	IQ '61-IQ '72 ...	(NA)	3.78	2.23	2.60	.86	1	2.75	2.75
666. Defense Department progress payments outstanding [Ⓢ]	IQ '57-IQ '72 ...	4.96	(NA)	2.32	4.47	.52	1	2.40	2.40
689. Manufacturers' shipments to the U.S. Government, aerospace industries ..	IQ '61-IQ '72 ...	(NA)	3.77	2.69	2.13	1.26	2	1.76	2.39
*696. U.S. Government cash receipts associated with military sales contracts (million dollars)	IQ '60-IQ '72 ...	100.92	71.44	52.25	36.54	1.43	2	1.71	2.24

NA = not available.

*Measures for these series are based on actual changes rather than percent changes (see definition below). [Ⓢ] indicates measures are based on unadjusted data.

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example, \bar{CI} is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.

Appendix C. HISTORICAL DATA

This appendix provides historical data (back to 1945 if available) for selected Defense Indicators series. Data are shown for series which (a) have recently been added to the report, (b) have recently been revised, or (c) have not been shown here for a long time. By keeping these tables, the user can acquire a complete set of historical data. Each time a series is included in this appendix, it is footnoted to indicate the extent of any revisions since it was last shown. See the "Alphabetical Index—Series Finding Guide" for the latest issue in which historical data

were published for each series. Current figures are shown in the basic data tables each month and may be used to update these historical tables.

Official source agency annual figures are shown if available. Such figures may differ slightly from those computed from the monthly or quarterly data appearing in the tables. When both seasonally adjusted and unadjusted data are shown for a series, annual figures are included only for the unadjusted data. Quarterly and annual data are not included for moving averages.

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
617. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, TOTAL, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
																TOTAL FOR PERIOD	
1949...	...	...	...	...	...	...	822	914	1,179	901	1,121	1,145	...	...	2,915	3,167
1950...	964	942	925	1,280	1,634	2,414	3,248	2,702	2,610	3,557	2,111	2,860	2,831	5,328	8,560	8,528	
1951...	6,921	4,538	5,019	3,417	5,001	8,219	6,270	3,319	3,558	4,654	9,690	3,280	16,478	16,637	13,147	17,624	
1952...	5,439	4,112	4,589	3,692	5,352	8,252	7,312	5,233	4,208	2,925	2,658	5,072	14,140	17,496	16,753	10,655	
1953...	3,827	3,613	4,091	4,173	2,147	2,927	2,195	2,134	2,156	2,225	2,148	1,630	11,531	9,247	6,485	6,003	
1954...	1,950	2,751	2,186	2,770	2,731	4,983	2,437	2,244	3,336	3,474	2,520	2,699	6,887	10,484	8,017	8,693	
1955...	2,068	2,045	2,879	3,010	2,012	4,202	2,000	953	3,406	2,398	2,471	4,545	6,992	9,224	6,359	9,414	
1956...	3,130	2,691	4,891	3,783	3,080	7,107	2,888	3,984	3,337	3,110	3,163	4,400	10,712	13,970	10,209	10,673	
1957...	3,061	3,286	3,633	3,694	2,720	4,860	2,532	2,630	3,104	2,878	3,346	4,268	10,182	11,274	8,266	10,492	
1958...	3,463	3,108	4,864	4,065	3,889	6,994	3,208	2,998	3,636	4,035	3,282	4,486	11,455	14,952	9,842	12,403	
1959...	3,329	3,340	4,512	3,630	3,333	6,345	3,160	2,933	3,971	3,859	3,394	5,511	11,181	13,308	10,064	10,764	
1960...	3,017	3,222	4,061	3,321	3,382	6,197	4,437	3,385	3,962	3,374	3,856	3,884	10,300	12,900	11,784	11,114	
1961...	3,408	3,735	4,246	3,389	3,451	6,138	3,609	4,697	4,818	4,200	3,873	4,831	11,389	12,978	13,124	12,904	
1962...	4,164	3,728	4,805	4,355	3,773	6,291	4,861	4,084	3,920	4,912	4,633	4,091	12,697	14,419	12,865	13,636	
1963...	4,360	3,756	4,369	3,935	4,162	6,899	4,883	4,278	4,108	5,507	3,848	4,158	12,485	14,994	13,341	13,513	
1964...	4,093	4,779	4,131	4,379	4,399	6,552	5,361	3,959	4,429	4,048	3,930	4,970	13,003	15,330	13,749	12,948	
1965...	4,040	3,466	4,554	4,534	4,246	6,792	4,927	4,892	5,326	5,365	4,599	5,565	12,060	15,572	15,145	15,529	
1966...	4,896	4,335	5,808	6,243	5,055	10,314	5,815	6,896	6,535	5,905	5,367	5,936	15,129	21,612	19,246	17,208	
1967...	6,056	5,451	6,354	6,191	7,146	10,555	5,991	6,791	8,016	7,335	5,755	6,208	17,861	23,892	20,798	19,298	
1968...	5,445	6,092	6,089	6,780	6,870	10,677	7,238	7,821	8,971	7,540	6,238	6,271	18,626	24,327	20,030	20,049	
1969...	7,264	5,908	6,039	6,228	6,045	9,194	6,901	6,592	7,309	7,337	6,027	6,440	19,211	21,467	20,802	19,804	
1970...	6,757	5,402	6,027	6,371	5,764	6,634	7,099	6,146	7,360	6,638	6,228	6,554	18,186	21,769	20,605	19,420	
1971...	6,935	6,498	6,163	6,581	5,786	6,605	8,279	6,754	6,374	7,497	6,153	7,137	19,596	20,972	21,407	20,787	
1972...	7,772	6,542	6,445	6,455	5,813	6,429	7,769	7,810	6,899	7,178	6,489	6,066	20,759	21,697	22,478	19,733	
1973...																	
1974...																	
617. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, TOTAL, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
																TOTAL FOR PERIOD	
1949...	...	...	...	...	...	...	619	995	1,286	989	1,268	1,435	...	...	2,900	3,692
1950...	977	1,043	960	1,438	1,621	1,609	2,479	2,905	2,834	3,935	2,410	3,593	2,980	4,668	8,218	9,938	
1951...	7,048	4,987	5,158	3,698	5,011	5,458	4,933	3,573	3,851	5,114	11,241	4,136	17,193	14,167	12,357	20,491	
1952...	5,601	4,484	4,544	3,980	5,501	5,362	6,191	5,782	4,520	3,190	3,091	6,208	14,629	14,843	16,493	12,489	
1953...	4,003	3,997	3,889	4,059	2,272	1,841	2,040	2,409	2,289	2,459	2,545	1,650	11,889	8,172	6,738	6,854	
1954...	2,095	3,074	1,966	2,539	3,024	3,070	2,563	2,597	3,493	3,890	2,944	2,788	7,135	8,633	6,633	9,622	
1955...	2,295	2,342	2,506	2,704	2,271	2,533	2,334	1,133	3,552	2,703	2,857	4,320	7,143	7,508	7,019	9,880	
1956...	3,585	3,125	4,131	3,424	3,528	4,225	3,592	4,882	3,502	3,479	3,566	3,986	10,841	11,177	11,976	11,031	
1957...	3,522	3,877	3,192	3,521	3,094	2,862	3,177	3,259	3,267	3,216	3,718	3,790	10,591	9,477	9,703	10,724	
1958...	3,634	3,664	4,252	3,985	4,480	4,271	3,931	3,634	3,719	4,910	3,600	3,898	11,750	12,736	11,284	12,608	
1959...	3,792	3,887	3,929	3,735	3,862	3,870	3,552	3,658	3,968	4,118	3,709	3,208	11,608	11,447	11,178	11,035	
1960...	3,447	3,554	3,592	3,483	3,901	3,882	4,973	3,897	3,869	3,620	4,042	3,689	10,593	11,246	12,739	11,351	
1961...	3,857	4,332	3,752	3,840	3,803	3,853	3,924	5,335	4,785	4,303	4,096	4,780	11,941	11,496	14,044	13,179	
1962...	4,473	4,349	4,616	4,764	4,199	4,099	4,925	4,312	4,135	4,787	4,866	4,249	13,438	13,062	13,372	13,902	
1963...	4,731	4,485	4,374	4,139	4,390	4,856	4,639	4,556	4,265	5,442	4,164	4,277	13,590	13,385	13,460	13,883	
1964...	4,242	5,783	4,245	4,563	4,813	4,349	5,010	4,274	4,308	3,984	4,487	5,088	14,270	13,725	13,592	13,559	
1965...	4,421	4,276	4,599	4,575	4,720	4,446	4,888	5,017	5,110	5,345	5,225	5,599	13,296	13,741	15,015	16,169	
1966...	5,489	5,328	6,178	6,392	5,442	6,821	5,963	6,687	5,958	6,037	6,136	6,328	16,995	16,655	18,608	18,501	
1967...	6,589	6,659	6,495	6,746	7,439	6,838	6,427	6,625	7,267	7,258	6,667	6,815	19,743	21,023	20,319	20,740	
1968...	6,668	7,212	6,641	7,013	7,067	7,481	7,317	7,638	8,244	7,256	7,183	7,011	20,541	21,561	23,199	21,450	
1969...	7,378	7,097	6,860	6,556	6,532	6,324	6,887	6,680	6,490	6,830	7,150	6,838	21,335	19,512	20,057	20,818	
1970...	6,906	6,489	6,766	6,683	6,556	6,491	6,793	6,357	6,583	6,368	7,033	6,942	20,161	19,730	19,733	20,343	
1971...	6,909	7,434	6,810	6,694	6,941	6,427	7,552	6,940	6,087	7,298	6,690	7,284	21,153	20,062	20,579	21,272	
1972...	7,721	6,956	6,854	7,290	6,729	6,889	7,310	7,921	6,599	6,941	7,102	6,530	21,531	20,908	21,630	20,573	
1973...																	
1974...																	

NOTE: These series contain revisions beginning with 1971.

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Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
617. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, TOTAL, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA ¹ (MILLIONS OF DOLLARS)																	
1949...	...	...	...	...	...	...	...	...	...	1,099	1,158	1,166					
1950...	1,112	1,187	1,246	1,275	1,525	1,835	2,148	2,564	2,695	3,026	3,787	4,134					
1951...	4,522	4,482	4,916	5,227	4,874	4,638	4,421	4,657	5,695	5,475	5,586	5,738					
1952...	5,853	5,664	4,708	4,912	5,010	5,227	5,223	5,091	4,689	4,830	4,466	4,168					
1953...	4,063	4,208	4,071	3,343	3,016	2,752	2,485	2,218	2,284	2,265	2,274	2,385					
1954...	2,331	2,345	2,425	2,628	2,706	2,627	2,881	3,106	3,093	3,046	3,001	2,959					
1955...	2,794	2,597	2,484	2,442	2,448	2,247	2,421	2,421	2,519	2,616	3,025	3,357					
1956...	3,454	3,574	3,686	3,670	3,671	3,964	3,859	3,868	3,874	3,834	3,823	3,655					
1957...	3,604	3,611	3,532	3,345	3,287	3,184	3,197	3,146	3,250	3,405	3,514	3,582					
1958...	3,746	3,874	4,001	4,081	4,097	4,092	4,003	4,158	4,044	3,982	3,959	4,001					
1959...	4,036	3,840	3,847	3,843	3,803	3,764	3,771	3,835	3,813	3,702	3,685	3,667					
1960...	3,605	3,499	3,531	3,643	3,698	3,955	4,001	4,024	4,047	4,015	3,829	3,901					
1961...	3,882	3,919	3,879	3,906	3,917	4,085	4,257	4,334	4,383	4,537	4,628	4,464					
1962...	4,436	4,513	4,530	4,417	4,492	4,486	4,406	4,410	4,521	4,546	4,513	4,542					
1963...	4,582	4,474	4,395	4,496	4,481	4,492	4,474	4,691	4,654	4,557	4,491	4,696					
1964...	4,692	4,546	4,654	4,666	4,794	4,542	4,553	4,456	4,402	4,525	4,427	4,427					
1965...	4,476	4,574	4,613	4,506	4,584	4,707	4,793	4,921	5,005	5,197	5,298	5,349					
1966...	5,527	5,702	5,738	5,942	6,021	6,247	6,211	6,152	6,267	6,185	6,289	6,285					
1967...	6,374	6,492	6,710	6,794	6,767	6,762	6,890	6,976	6,847	6,843	6,887	6,985					
1968...	6,880	6,840	6,906	7,017	7,122	7,193	7,460	7,500	7,520	7,441	7,452	7,361					
1969...	7,131	7,014	6,922	6,908	6,726	6,656	6,595	6,640	6,727	6,812	6,815	6,784					
1970...	6,830	6,805	6,706	6,648	6,630	6,608	6,577	6,525	6,604	6,679	6,699	6,878					
1971...	6,916	6,970	6,955	6,869	6,976	6,894	6,774	6,874	6,832	6,975	7,003	7,006					
1972...	7,134	7,133	7,139	7,073	7,005	7,166	7,123	7,065	7,127	7,067	7,014	6,904					
1973...																	
1974...																	
619. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, OPERATIONS, NOT SEASONALLY ADJUSTED ² (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1959...	...	...	...	...	...	...	2,180	1,904	2,040	1,957	1,845	1,919	...	...	6,124	5,721	...
1960...	1,877	1,768	1,946	2,031	1,784	2,201	2,184	2,026	2,021	1,973	1,935	1,918	5,591	6,016	6,231	5,826	23,664
1961...	1,996	1,824	2,003	2,013	1,905	2,264	2,213	2,122	2,214	2,275	2,096	2,164	5,823	6,146	6,549	6,535	25,093
1962...	2,183	2,032	2,173	2,237	2,143	2,461	2,464	2,324	2,136	2,151	2,110	2,071	6,388	6,841	6,924	6,332	26,485
1963...	2,228	1,966	2,057	2,225	2,087	2,476	2,627	2,248	2,185	2,459	2,174	2,205	6,251	6,688	7,060	6,838	26,837
1964...	2,362	2,136	2,242	2,361	2,146	2,694	2,838	2,391	2,373	2,474	2,263	2,334	6,740	7,201	7,602	7,071	28,614
1965...	2,394	2,175	2,382	2,463	2,288	2,862	2,944	2,648	2,711	2,787	2,721	2,739	6,951	7,613	8,303	8,247	31,114
1966...	2,821	2,545	2,961	3,039	2,864	3,701	3,480	3,622	3,325	3,262	3,236	3,204	8,327	9,604	10,427	9,702	38,060
1967...	3,495	3,226	3,508	3,664	3,531	4,239	3,700	3,835	3,689	3,776	3,374	3,663	10,229	11,434	11,224	10,813	43,700
1968...	3,798	3,435	3,487	3,799	3,707	4,976	4,371	4,021	4,249	4,340	3,548	3,628	10,720	12,482	12,641	11,516	47,359
1969...	4,537	3,521	3,731	4,047	3,681	4,764	4,816	4,217	3,956	4,415	3,839	3,620	11,789	12,692	12,989	12,074	49,544
1970...	4,210	3,628	3,828	4,372	4,010	4,448	4,590	4,053	4,016	4,327	3,716	3,804	11,666	13,230	12,659	11,847	49,402
1971...	4,249	3,629	3,933	4,340	3,834	4,808	4,843	4,146	3,953	4,454	3,905	3,987	11,811	12,982	12,942	12,346	50,081
1972...	4,623	3,990	4,170	4,637	4,084	5,110	4,933	4,559	4,345	4,647	4,193	4,027	12,783	13,631	13,837	12,867	53,118
1973...																	
1974...																	
619. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, OPERATIONS, SEASONALLY ADJUSTED ² (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1959...	...	...	...	...	...	...	1,947	1,953	1,986	1,907	1,957	1,935	...	...	5,886	5,799	...
1960...	1,813	1,907	1,973	1,999	1,992	2,002	2,002	1,998	1,969	1,968	1,986	1,967	5,793	5,919	5,969	5,921	...
1961...	2,020	2,029	2,035	2,026	2,024	2,041	2,050	2,078	2,194	2,220	2,173	2,249	6,084	6,091	6,322	6,642	...
1962...	2,164	2,258	2,249	2,246	2,266	2,231	2,235	2,272	2,175	2,058	2,181	2,190	6,671	6,743	6,682	6,429	...
1963...	2,195	2,190	2,157	2,201	2,206	2,187	2,332	2,224	2,221	2,343	2,272	2,299	6,542	6,594	6,777	6,914	...
1964...	2,320	2,328	2,342	2,340	2,333	2,396	2,507	2,414	2,338	2,404	2,401	2,390	6,990	7,069	7,259	7,195	...
1965...	2,418	2,439	2,442	2,436	2,523	2,493	2,645	2,612	2,700	2,749	2,826	2,814	7,299	7,452	7,657	8,380	...
1966...	2,882	2,857	3,026	3,039	3,101	3,241	3,168	3,502	3,299	3,270	3,321	3,351	8,765	9,361	9,969	9,942	...
1967...	3,506	3,629	3,578	3,743	3,756	3,691	3,413	3,693	3,696	3,721	3,497	3,878	10,713	11,190	10,802	11,096	...
1968...	3,745	3,737	3,657	3,776	3,927	4,471	3,884	3,936	4,318	4,184	3,707	3,822	11,139	12,174	12,140	11,713	...
1969...	4,430	4,024	4,080	3,975	4,060	4,145	4,269	4,168	4,008	4,123	4,142	4,078	12,534	12,180	12,445	12,343	...
1970...	4,160	4,146	4,136	4,290	4,241	4,160	4,073	4,063	4,013	4,089	4,017	4,006	12,442	12,691	12,149	12,112	...
1971...	4,254	4,152	4,207	4,267	4,109	4,050	4,265	4,122	4,031	4,252	4,225	4,257	12,613	12,426	12,418	12,734	...
1972...	4,572	4,338	4,375	4,361	4,323	4,396	4,410	4,456	4,516	4,419	4,488	4,456	13,285	13,080	13,382	13,363	...
1973...																	
1974...																	
621. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, PROCUREMENT, NOT SEASONALLY ADJUSTED ³ (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1953...	...	...	...	...	...	...	290	96	187	140	256	-244	...	...	573	152	...
1954...	-77	632	272	228	583	1,960	560	291	1,335	1,467	555	2,171	827	2,771	2,186	4,193	9,977
1955...	98	425	861	716	254	917	100	-1,025	1,458	165	348	2,348	1,384	1,887	533	2,861	6,665
1956...	909	571	2,642	826	836	3,713	687	1,840	1,205	846	1,032	2,141	4,122	5,775	3,732	4,019	17,248
1957...	815	1,073	1,693	1,001	582	1,575	249	633	1,230	638	1,234	2,023	3,581	3,156	2,152	3,895	12,786
1958...	1,180	992	2,512	1,213	1,495	3,388	612	693	1,110	1,895	1,097	2,024	4,684	6,096	2,415	5,016	18,211
1959...	976	1,160	2,058	1,065	1,029	3,101	560	685	1,319	1,268	1,007	1,079	4,194	5,195	2,564	3,354	15,307
1960...	696	996	1,513	758	1,034	2,789	1,413	975	1,216	841	1,408	1,296	3,205	4,581	3,604	3,545	14,935
1961...	978	1,387	1,713	846	848	2,729	849	1,772	1,877	1,208	1,236	1,870	4,078	4,874	3,498	4,514	17,313
1962...	1,168	1,100	1,658	1,485	819	4,570	1,888	3,931	1,003	1,610	1,485	1,200	4,226	4,874	3,356	4,495	17,151
1963...	1,332	1,125	1,352	1,035	1,103	2,683	1,514	1,338	1,183	1,950	1,044	1,214	3,809	4,821	3,625	4,208	16,463

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
621. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, PROCUREMENT, SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1953...	...	...	...	...	...	...	470	172	200	206	304	-518	...	...	842	-8	
1954...	34	740	14	386	758	1,067	1,064	490	1,370	1,651	680	1,560	788	2,211	2,924	3,891	
1955...	320	625	514	861	405	305	474	-872	1,489	324	466	1,531	1,459	1,571	1,091	2,321	
1956...	1,278	781	1,739	1,118	1,158	1,767	1,735	2,424	1,250	1,051	1,196	1,291	3,798	4,043	5,409	3,538	
1957...	1,140	1,407	1,117	1,347	802	744	707	827	1,265	786	1,418	1,327	3,664	2,893	2,799	3,531	
1958...	1,637	1,232	1,669	1,619	2,042	1,580	1,404	891	1,121	2,291	1,238	1,945	4,538	5,241	3,416	5,074	
1959...	1,330	1,362	1,371	1,398	1,381	1,425	1,202	870	1,319	1,517	1,124	929	4,063	4,204	3,391	3,570	
1960...	937	1,104	1,020	983	1,488	1,397	2,204	1,256	1,256	945	1,468	1,096	3,061	3,868	4,716	3,509	
1961...	1,277	1,555	1,230	1,047	1,220	1,390	1,181	2,278	1,933	1,354	1,286	1,773	4,062	3,657	5,392	4,413	
1962...	1,758	1,228	1,410	1,791	1,039	1,311	1,657	1,395	1,040	1,675	1,787	1,205	4,396	4,141	4,092	4,667	
1963...	1,586	1,206	1,366	1,215	1,358	1,363	1,132	1,700	1,207	2,010	1,094	1,273	4,158	3,936	4,039	4,377	
1964...	1,075	1,843	1,237	1,389	1,910	1,079	1,494	803	1,141	889	1,089	1,747	4,155	4,378	3,438	3,725	
1965...	1,005	700	1,355	1,444	1,402	1,254	1,128	1,741	1,732	1,733	1,212	1,882	3,060	4,100	4,601	4,827	
1966...	1,639	1,736	1,904	2,109	1,620	2,415	1,753	2,251	1,866	1,931	1,723	1,937	5,279	6,144	5,870	5,591	
1967...	2,296	2,140	1,903	1,754	2,480	2,990	1,633	1,925	2,958	2,735	2,173	1,846	6,339	6,524	6,516	6,754	
1968...	2,360	2,865	1,985	2,161	2,299	2,077	2,323	2,804	3,234	2,298	2,520	1,959	7,210	6,537	8,361	6,777	
1969...	2,088	2,075	1,701	1,638	1,528	1,550	1,447	1,476	1,752	1,867	1,820	2,103	5,864	4,716	4,675	5,790	
1970...	1,807	1,523	1,669	1,559	1,486	1,771	1,825	1,332	1,542	1,459	1,851	1,803	4,999	4,816	4,699	5,113	
1971...	1,871	1,839	1,486	1,788	1,554	1,389	2,314	1,662	1,413	1,915	1,624	1,958	5,196	4,731	5,389	5,497	
1972...	2,329	1,755	1,744	1,660	1,448	1,670	1,949	2,158	1,432	1,507	1,617	1,274	5,828	4,778	5,539	4,398	
1973...																	
1974...																	
621. DEFENSE DEPARTMENT GROSS OBLIGATIONS INCURRED, PROCUREMENT, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA ¹ (MILLIONS OF DOLLARS)																	
1953...	...	...	...	...	...	...	...	...	...	139	66	161					
1954...	130	160	236	500	672	630	856	1,057	1,054	1,136	1,012	1,034					
1955...	892	760	714	505	531	281	444	354	364	569	703	978					
1956...	1,020	1,152	1,268	1,307	1,383	1,637	1,575	1,564	1,571	1,491	1,392	1,223					
1957...	1,200	1,250	1,184	1,093	1,021	924	949	855	958	1,055	1,210	1,278					
1958...	1,345	1,484	1,588	1,630	1,591	1,534	1,443	1,555	1,421	1,415	1,403	1,481					
1959...	1,523	1,374	1,398	1,378	1,357	1,275	1,266	1,256	1,243	1,160	1,116	1,155					
1960...	1,105	1,016	1,077	1,155	1,366	1,391	1,431	1,424	1,421	1,371	1,216	1,266					
1961...	1,262	1,279	1,238	1,287	1,271	1,391	1,508	1,559	1,570	1,634	1,730	1,555					
1962...	1,468	1,541	1,500	1,423	1,406	1,434	1,372	1,353	1,478	1,460	1,448	1,417					
1963...	1,471	1,394	1,323	1,349	1,273	1,356	1,329	1,462	1,399	1,403	1,393	1,417					
1964...	1,422	1,319	1,455	1,422	1,492	1,319	1,303	1,219	1,083	1,194	1,112	1,095					
1965...	1,131	1,223	1,276	1,193	1,214	1,387	1,450	1,498	1,467	1,571	1,657	1,656					
1966...	1,684	1,747	1,815	1,904	1,923	2,009	2,002	1,973	1,990	1,910	2,001	1,982					
1967...	1,988	1,959	2,085	2,144	2,033	1,998	2,173	2,337	2,286	2,212	2,333	2,390					
1968...	2,327	2,232	2,253	2,291	2,285	2,275	2,463	2,506	2,543	2,523	2,484	2,362					
1969...	2,107	1,997	1,832	1,764	1,657	1,557	1,565	1,603	1,652	1,744	1,804	1,812					
1970...	1,798	1,747	1,691	1,636	1,639	1,607	1,586	1,569	1,630	1,635	1,643	1,728					
1971...	1,718	1,773	1,724	1,654	1,728	1,699	1,687	1,708	1,719	1,614	1,617	1,832					
1972...	1,887	1,845	1,816	1,768	1,704	1,771	1,719	1,694	1,722	1,656	1,603	1,550					
1973...																	
1974...																	
623. GROSS OBLIGATIONS INCURRED OUTSIDE THE FEDERAL GOVERNMENT FOR NATIONAL DEFENSE, SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1963...	...	...	...	...	...	...	3,801	4,458	4,703	4,809	3,975	4,205	...	...	12,962	12,989	...
1964...	4,616	6,094	4,680	4,226	4,606	4,585	4,493	4,505	4,523	4,379	4,612	4,383	15,390	13,417	13,521	13,374	55,702
1965...	4,420	4,114	4,430	4,613	4,741	4,429	5,156	4,985	4,978	5,275	5,259	5,938	12,964	13,783	15,119	16,472	58,338
1966...	5,568	5,914	6,260	5,903	5,989	6,625	6,269	6,603	6,248	6,303	6,484	6,313	17,742	18,517	19,120	19,100	74,479
1967...	6,856	6,459	6,519	6,738	7,318	6,742	6,733	6,546	7,259	7,134	6,439	6,835	19,834	20,768	20,538	20,408	81,578
1968...	6,659	7,187	6,905	7,009	6,857	7,185	7,448	7,523	6,959	7,807	7,305	7,086	20,751	21,251	23,930	22,198	88,130
1969...	7,187	7,294	6,781	6,686	6,862	6,790	7,203	7,138	6,837	6,790	7,287	6,807	21,262	20,338	21,178	20,884	83,662
1970...	7,287	6,790	7,213	6,993	6,761	6,869	6,774	6,792	6,203	5,717	8,051	7,153	21,290	20,323	19,769	20,921	82,303
1971...	6,331	7,029	6,788	7,038	6,839	6,699	7,071	6,907	6,734	7,130	7,331	7,213	20,148	20,576	20,712	21,674	83,110
1972...	8,256	7,168	7,294	7,401	7,196	7,037	7,335	7,867	6,707	6,923	8,416	6,977	22,718	21,634	21,909	22,316	88,577
1973...																	
1974...																	
623. GROSS OBLIGATIONS INCURRED OUTSIDE THE FEDERAL GOVERNMENT FOR NATIONAL DEFENSE, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA ¹ (MILLIONS OF DOLLARS)																	
1963...	...	...	...	...	...	...	...	...	...	4,325	4,461	4,734					
1964...	4,730	4,633	4,738	4,801	4,781	4,516	4,490	4,515	4,516	4,483	4,470	4,405					
1965...	4,390	4,429	4,450	4,458	4,581	4,728	4,817	4,927	5,014	5,265	5,334	5,489					
1966...	5,702	5,807	5,929	6,043	6,160	6,275	6,273	6,340	6,422	6,370	6,468	6,444					
1967...	6,489	6,562	6,701	6,772	6,752	6,766	6,869	6,955	6,809	6,824	6,812	6,919					
1968...	6,860	6,839	6,909	7,000	7,132	7,188	7,530	7,663	7,738	7,688	7,645	7,606					
1969...	7,243	7,057	6,983	6,933	6,936	6,910	6,919	6,937	7,008	7,010	7,024	6,966					
1970...	7,029	7,063	6,975	6,936	6,850	6,850	6,862	6,869	6,884	6,782	6,708	6,747					
1971...	6,885	7,065	6,863	6,787	6,911	6,890	6,881	6,897	6,979	7,064	7,262	7,306					
1972...	7,399	7,444	7,421	7,392	7,239	7,355	7,257	7,177	7,361	7,371	7,231	7,371					
1973...																	
1974...																	

¹This series contains revisions beginning with 1970.
²This series contains revisions beginning with 1971.

(APRIL 1974)

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
643. DEFENSE DEPARTMENT GROSS UNPAID OBLIGATIONS OUTSTANDING, TOTAL, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
END OF PERIOD																	
1953...	...	...	...	...	...	51,271	50,652	49,497	47,609	45,398	43,679	40,571	...	51,271	47,609	40,571	40,571
1954...	36,361	37,777	36,226	35,291	34,421	33,768	34,133	33,387	33,643	33,538	32,941	33,551	36,226	33,768	33,643	33,551	33,551
1955...	32,222	30,605	30,180	29,729	28,093	27,188	26,180	24,196	24,126	23,418	22,504	23,608	30,180	27,188	28,126	23,608	23,608
1956...	23,644	23,140	24,624	24,732	24,157	25,822	...	...	26,754	26,089	25,764	26,704	24,624	25,822	26,754	26,704	26,704
1957...	26,135	25,916	26,155	25,909	24,832	25,232	...	...	...	22,085	21,786	22,150	26,155	25,232	...	22,150	22,150
1958...	21,853	21,408	22,302	22,654	22,747	25,135	...	24,269	24,026	...	23,602	23,517	23,803	22,302	25,135	24,026	23,803
1959...	23,450	23,097	23,540	23,273	22,875	24,343	...	23,257	23,054	22,699	22,301	21,664	23,540	24,343	23,054	21,664	21,664
1960...	21,358	20,909	21,033	20,726	20,260	23,116	...	23,643	23,769	23,390	23,359	23,026	21,033	23,116	23,769	23,026	23,026
1961...	22,749	22,695	22,748	22,309	21,435	22,662	...	23,605	24,496	24,726	24,242	24,792	22,748	22,662	24,496	24,792	24,792
1962...	24,682	24,261	24,437	24,465	23,216	24,048	...	24,805	24,783	25,136	25,203	24,796	24,437	24,048	24,783	24,796	24,796
1963...	24,654	24,085	23,748	23,106	21,831	22,573	...	...	...	...	...	23,419	23,748	22,573	...	23,419	23,419
1964...	23,141	23,539	23,170	22,992	22,575	22,790	...	...	24,089	...	...	23,744	23,170	22,790	24,089	23,624	23,624
1965...	23,575	23,161	23,106	23,120	22,927	24,429	...	...	...	27,071	27,079	27,094	23,106	24,429	...	27,094	27,094
1966...	27,357	27,151	27,476	28,709	28,685	31,839	...	...	35,854	35,966	35,711	35,450	27,476	31,838	35,554	35,450	35,450
1967...	35,385	35,040	34,420	34,202	34,702	37,267	...	36,793	38,163	38,547	37,641	37,366	34,420	37,267	38,163	37,366	37,366
1968...	36,653	36,454	36,140	35,733	35,590	38,306	...	39,691	41,678	41,906	40,970	39,904	36,140	38,306	41,678	39,904	39,904
1969...	40,124	38,873	37,472	36,150	34,791	35,732	...	34,620	34,857	34,530	33,702	33,109	37,472	35,232	34,857	33,109	33,109
1970...	33,147	31,913	30,770	29,740	28,583	30,510	...	30,372	30,986	30,832	30,807	30,408	30,770	30,510	30,986	30,408	30,408
1971...	30,905	31,098	30,144	29,846	29,170	28,554	...	31,286	31,376	32,619	32,110	31,388	30,144	28,554	31,376	31,388	31,388
1972...	33,734	33,554	32,480	32,152	30,675	31,347	32,546	33,684	34,563	35,251	35,009	34,601	32,480	31,347	34,563	34,601	34,601
1973...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
643. DEFENSE DEPARTMENT GROSS UNPAID OBLIGATIONS OUTSTANDING, TOTAL, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
END OF PERIOD																	
1953...	...	...	...	...	...	51,118	50,051	49,349	47,419	45,535	44,707	40,050	...	51,118	47,419	40,050	40,050
1954...	36,361	36,587	35,974	34,907	34,769	33,567	33,695	33,287	33,442	33,673	33,716	33,186	35,974	33,567	33,442	33,186	33,186
1955...	32,254	31,293	30,030	29,435	28,405	26,919	29,793	24,076	23,911	23,512	23,034	23,374	30,030	26,919	23,911	23,374	23,374
1956...	23,715	23,685	24,526	24,536	24,475	25,440	...	...	26,463	26,168	26,344	26,518	24,526	25,440	26,463	26,518	26,518
1957...	26,293	26,581	26,129	25,857	25,287	24,762	...	...	...	22,107	22,140	22,062	26,129	24,762	...	22,062	22,062
1958...	22,051	21,957	22,369	22,766	23,330	24,666	...	23,910	23,555	23,684	23,755	23,755	22,369	24,666	23,555	23,755	23,755
1959...	23,663	23,641	23,682	23,532	23,656	24,007	...	22,846	22,558	22,452	22,323	21,599	23,682	24,007	22,558	21,599	21,599
1960...	21,509	21,314	21,203	21,042	21,148	22,055	...	23,228	23,257	23,022	23,220	22,866	21,203	22,955	23,257	22,866	22,866
1961...	22,795	23,041	22,931	22,718	22,539	24,707	...	23,210	23,945	24,241	23,955	24,522	22,931	22,707	23,945	24,522	24,522
1962...	24,633	24,506	24,659	24,939	24,515	24,242	...	24,463	24,179	24,547	24,831	24,430	24,659	24,242	24,179	24,430	24,430
1963...	24,531	24,304	24,036	23,602	23,126	22,824	...	...	...	...	...	23,050	24,036	22,824	...	23,050	23,050
1964...	23,003	23,777	23,595	23,557	23,914	23,043	...	...	23,365	23,008	23,042	23,275	23,595	23,043	23,365	23,275	23,275
1965...	23,434	23,466	23,698	23,762	24,261	24,651	...	...	...	26,105	26,496	26,746	23,698	24,651	...	26,746	26,746
1966...	27,275	27,621	28,355	29,597	30,322	32,030	...	...	34,154	34,583	34,942	35,044	28,355	32,030	34,154	35,044	35,044
1967...	35,350	35,719	35,668	35,296	36,683	37,417	...	36,249	36,625	36,993	36,831	37,033	35,668	37,417	36,625	37,033	37,033
1968...	36,616	37,236	37,490	36,914	37,622	38,421	...	39,104	39,960	40,178	40,127	39,587	37,490	38,421	39,960	39,587	39,587
1969...	39,531	39,147	38,472	37,656	36,855	35,445	...	34,414	33,613	33,234	32,912	32,781	38,472	35,445	33,613	32,781	32,781
1970...	32,561	32,041	31,494	30,979	30,279	30,787	...	30,221	29,938	29,703	30,085	30,077	31,494	30,787	29,938	30,077	30,077
1971...	30,181	30,851	30,541	30,737	31,098	29,077	...	31,069	30,671	31,546	31,450	31,046	30,541	29,077	30,671	31,046	31,046
1972...	32,879	32,832	32,742	32,976	32,772	32,417	33,109	33,350	33,985	34,026	34,255	34,225	32,742	32,417	33,985	34,225	34,225
1973...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
644. DEFENSE DEPARTMENT GROSS UNPAID OBLIGATIONS OUTSTANDING, OPERATIONS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
END OF PERIOD																	
1966...	...	...	...	...	...	...	...	...	...	...	...	...	3,828	3,777	4,792	5,024	5,024
1967...	5,041	4,892	4,644	4,761	4,765	4,513	...	5,115	5,267	5,270	5,050	5,150	4,644	4,513	5,267	5,150	5,150
1968...	5,127	5,127	4,975	4,938	4,577	4,952	...	5,087	4,077	4,477	4,052	4,445	4,975	4,952	4,077	5,445	5,445
1969...	5,141	5,638	5,520	5,315	5,010	4,676	...	5,600	5,488	5,593	5,348	5,094	5,520	4,676	5,488	5,094	5,094
1970...	5,236	4,912	4,726	4,631	4,403	4,490	...	5,095	5,015	5,224	5,082	4,764	4,726	4,490	5,015	4,764	4,764
1971...	5,072	4,791	4,479	4,534	4,342	4,077	...	5,186	5,092	5,586	5,366	4,933	4,479	4,077	5,092	4,933	4,933
1972...	5,303	5,021	4,635	4,439	3,891	4,211	4,739	5,043	5,349	5,845	5,671	5,438	4,635	4,211	5,349	5,438	5,438
1973...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
644. DEFENSE DEPARTMENT GROSS UNPAID OBLIGATIONS OUTSTANDING, OPERATIONS, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
END OF PERIOD																	
1966...	...	...	...	...	...	...	...	...	...	...	...	...	3,817	4,101	4,661	4,794	4,794
1967...	4,829	4,887	4,822	5,001	5,208	5,042	...	4,876	4,946	4,804	4,846	5,119	4,822	5,042	4,946	5,119	5,119
1968...	4,911	5,122	5,166	5,187	5,002	5,533	...	5,612	5,706	5,904	5,808	5,413	5,166	5,533	5,706	5,413	5,413
1969...	5,882	5,632	5,740	5,583	5,475	5,225	...	5,338	5,153	5,098	5,132	5,064	5,740	5,225	5,153	5,064	5,064
1970...	5,015	4,907	4,908	4,885	4,871	4,923	...	4,834	4,767	4,715	4,799	4,754	4,908	4,923	4,767	4,754	4,754
1971...	4,785	4,781	4,685	4,823	4,824	4,545	...	4,944	4,850	5,019	5,053	4,928	4,685	4,545	4,850	4,928	4,928
1972...	4,998	5,011	4,864	4,727	4,323	4,700	4,881	4,807	5,104	5,196	5,270	5,384	4,864	4,700	5,104	5,384	5,384
1973...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
645. DEFENSE DEPARTMENT GROSS UNPAID OBLIGATIONS OUTSTANDING, PROCUREMENT, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
														END OF PERIOD			
1966...	...	...	...	...	...	...	...	...	...	...	...	...	18,023	22,119	22,736	23,173	23,173
1967...	23,134	22,982	22,780	22,613	22,947	25,246	...	23,874	24,925	25,423	24,982	24,856	22,780	25,248	24,925	24,856	24,856
1968...	24,197	24,024	24,127	23,947	24,370	26,244	...	25,912	27,361	27,278	26,950	26,658	24,127	26,244	27,361	26,658	26,658
1969...	26,160	26,356	26,412	23,517	22,560	23,215	...	21,227	21,758	21,437	21,034	21,009	24,412	23,215	21,758	21,009	21,009
1970...	20,752	20,071	19,231	18,512	17,843	19,391	...	17,912	18,435	18,327	18,440	18,563	19,231	19,391	18,435	18,563	18,563
1971...	18,855	18,924	18,411	18,268	17,857	18,522	...	18,783	19,059	19,797	19,056	20,572	18,411	18,528	19,059	20,572	20,572
1972...	21,702	21,977	21,637	21,360	20,672	20,982	20,570	20,613	21,237	21,645	21,836	22,023	21,637	20,982	21,237	22,023	22,023
1973...																	
1974...																	
645. DEFENSE DEPARTMENT GROSS UNPAID OBLIGATIONS OUTSTANDING, PROCUREMENT, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
														END OF PERIOD			
1966...	...	...	...	...	...	...	...	...	...	...	...	...	18,187	22,617	22,827	22,368	
1967...	22,882	23,121	23,340	23,604	24,028	24,753	...	24,336	24,270	24,779	24,420	24,273	23,340	24,753	24,270	24,273	
1968...	23,934	24,120	24,695	24,997	25,518	25,704	...	26,414	26,668	26,613	26,318	26,008	24,695	25,704	26,668	26,008	
1969...	25,875	25,524	24,987	24,574	23,623	23,738	...	21,638	21,186	20,894	20,541	20,477	24,987	23,738	21,186	20,477	
1970...	20,526	20,172	19,684	19,324	18,684	19,011	...	18,259	18,325	18,146	18,257	18,235	19,684	19,011	18,325	18,235	
1971...	18,395	18,553	18,485	18,660	18,640	18,266	...	19,265	19,040	19,659	18,886	20,208	18,485	18,266	19,040	20,208	
1972...	21,131	21,364	21,680	21,774	21,578	20,692	20,820	21,347	21,280	21,537	21,663	21,634	21,680	20,692	21,280	21,634	
1973...																	
1974...																	
680. DEFENSE DEPARTMENT NET OUTLAYS, TOTAL, MILITARY FUNCTIONS AND MILITARY ASSISTANCE, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
														TOTAL FOR PERIOD			
1949...	...	...	...	...	...	...	1,005	1,126	986	967	1,009	1,067	...	...	3,117	3,043	...
1950...	993	916	1,019	937	1,002	824	974	1,116	1,033	1,283	1,464	1,530	2,928	2,763	3,123	4,277	13,091
1951...	1,651	1,643	2,060	2,170	2,463	2,609	2,978	3,052	2,630	3,282	3,174	3,223	5,354	7,242	8,660	9,639	30,895
1952...	3,534	3,292	3,585	3,929	3,907	3,747	4,098	3,206	4,084	3,923	3,497	4,272	10,411	11,583	11,388	11,692	45,074
1953...	3,814	3,735	4,216	4,191	3,957	4,316	3,452	3,720	3,862	3,987	3,472	3,961	11,765	12,464	11,034	11,386	46,643
1954...	3,366	3,397	3,574	3,425	3,112	4,270	2,784	3,101	3,013	3,087	3,024	3,428	10,337	10,807	8,898	9,539	39,581
1955...	2,963	2,862	3,357	3,132	3,099	3,792	2,638	3,190	3,405	3,013	2,923	3,292	9,182	10,023	9,233	9,228	37,666
1956...	2,970	3,002	3,082	3,096	3,227	4,436	2,846	3,368	2,983	3,559	3,351	3,362	9,054	10,759	9,017	10,272	39,102
1957...	3,535	3,374	3,490	3,629	3,699	3,774	3,441	3,658	3,207	3,389	3,240	3,467	10,399	11,102	10,306	10,096	41,903
1958...	3,349	3,275	3,339	3,412	3,408	4,063	3,491	3,323	3,643	3,971	3,356	3,981	9,963	10,883	10,457	11,308	42,611
1959...	3,480	3,355	3,634	3,674	3,409	4,275	3,513	3,467	3,558	3,715	3,465	3,968	10,449	11,358	10,538	11,148	43,493
1960...	3,277	3,488	3,749	3,438	3,448	3,737	3,249	3,370	3,679	3,510	3,647	3,986	10,514	10,623	10,658	11,143	42,938
1961...	3,497	3,550	4,043	3,526	3,891	4,168	3,205	3,808	3,646	3,637	4,035	4,072	11,090	11,785	10,659	11,944	45,476
1962...	4,044	3,868	4,338	4,046	4,528	4,778	3,692	4,208	3,823	4,360	4,331	4,125	12,250	13,352	11,723	12,816	50,141
1963...	4,304	3,937	3,289	4,289	4,244	4,370	3,973	4,156	4,015	4,391	3,921	4,290	11,530	12,903	12,144	12,602	49,179
1964...	4,117	4,040	4,143	4,321	4,418	5,461	3,264	3,544	3,976	3,985	3,792	4,244	12,300	14,200	10,784	12,021	49,305
1965...	3,770	3,644	4,288	4,145	4,045	4,704	3,627	4,162	4,354	4,295	4,326	4,907	11,702	12,894	12,143	13,528	50,267
1966...	4,403	4,297	5,397	4,811	4,673	6,125	4,667	5,404	5,773	5,346	5,339	5,757	14,097	15,609	15,844	16,442	61,992
1967...	5,962	5,579	6,695	6,117	5,934	5,963	6,166	6,587	6,356	6,436	6,194	5,825	18,236	18,014	19,109	18,455	73,814
1968...	6,977	6,218	6,121	6,906	6,986	7,368	6,510	6,502	6,484	6,816	6,415	6,679	19,316	21,260	18,596	19,910	79,082
1969...	6,644	6,234	6,626	6,726	6,531	7,408	6,330	6,667	6,556	7,053	6,123	6,616	19,504	20,665	19,553	19,792	79,514
1970...	6,475	6,028	6,419	6,604	6,323	6,692	6,630	6,682	6,178	6,161	5,781	6,551	18,922	19,619	18,890	18,493	75,924
1971...	5,985	5,813	6,508	6,131	5,838	7,889	5,001	5,441	5,840	5,943	5,972	6,498	18,306	19,858	16,282	18,413	72,859
1972...	5,973	6,128	6,944	6,539	6,911	8,769	4,987	5,679	5,212	6,107	6,313	6,063	19,045	22,219	15,878	18,483	75,625
1973...																	
1974...																	
680. DEFENSE DEPARTMENT NET OUTLAYS, TOTAL, MILITARY FUNCTIONS AND MILITARY ASSISTANCE, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
														TOTAL FOR PERIOD			
1949...	...	...	...	...	...	...	1,078	1,076	1,040	1,011	1,008	1,014	...	...	3,194	3,033	...
1950...	1,015	998	950	960	994	768	1,049	1,055	1,132	1,291	1,458	1,533	2,963	2,862	3,236	4,282	...
1951...	1,630	1,783	1,975	2,154	2,317	2,523	3,133	2,911	2,983	3,129	3,167	3,224	5,388	6,994	9,027	9,520	...
1952...	3,460	3,412	3,613	3,747	3,804	3,591	4,194	3,328	3,229	3,742	3,843	3,965	10,485	11,142	11,753	11,550	...
1953...	3,861	4,022	4,107	3,989	4,079	3,867	3,621	3,668	3,981	3,847	3,721	3,631	11,990	11,935	11,470	11,199	...
1954...	3,600	3,643	3,369	3,270	3,220	3,758	3,041	3,117	3,062	3,160	3,108	3,160	10,612	10,248	9,220	9,428	...
1955...	3,172	3,046	3,149	3,151	3,118	3,253	3,049	3,097	3,447	3,069	3,010	3,123	9,367	9,522	9,593	9,202	...
1956...	3,077	3,059	3,004	3,166	3,121	3,917	2,950	3,254	3,288	3,364	3,399	3,359	9,140	10,204	9,492	10,122	...
1957...	3,508	3,580	3,601	3,562	3,621	3,455	3,642	3,633	3,412	3,173	3,416	3,335	10,689	10,638	10,687	9,924	...
1958...	3,363	3,475	3,435	3,375	3,429	3,607	3,636	3,487	3,686	3,758	3,661	3,681	10,273	10,411	10,809	11,100	...
1959...	3,590	3,552	3,588	3,624	3,610	3,631	3,692	3,649	3,607	3,631	3,630	3,617	10,730	10,865	10,948	10,878	...
1960...	3,586	3,537	3,513	3,540	3,490	3,176	3,734	3,665	3,682	3,628	3,645	3,752	10,636	10,206	11,081	11,025	...
1961...	3,672	3,759	3,800	3,761	3,770	3,711	3,720	3,713	3,808	3,837	4,001	4,054	11,231	11,262	11,241	11,892	...
1962...	4,068	4,096	4,179	4,187	4,302	4,256	4,176	4,136	4,149	4,208	4,290	4,122	12,343	12,745	12,461	12,620	...
1963...	4,253	4,177	3,322	4,226	4,048	4,057	4,356	4,203	4,193	4,188	4,091	4,163	11,752	12,331	12,752	12,442	...
1964...	4,054	4,258	4,001	4,237	4,590	4,674	3,566	3,768	3,949	3,918	4,030	3,958	12,313	13,501	11,283	11,906	...
1965...	3,992	3,899	3,961	4,036	4,236	4,035	4,069	4,255	4,261	4,449	4,423	4,639	11,852	12,307	12,585	13,511	...
1966...	4,634	4,618	4,900	4,884	4,753	5,214	5,521	5,315	5,599	5,521	5,515	5,627	14,826	14,851	16,435	16,663	...
1967...	6,028	6,021	6,091	6,460	6,830	5,061	7,279	6,404	6,434	6,399	6,375	6,822	18,140	17,351	20,117	18,796	...
1968...	6,794	6,346	6,025	6,724	6,959	6,769	6,022	6,343	6,643	6,495	6,805	6,842	19,165	20,452	19,028	20,142	...
1969...	6,471	6,714	6,608	6,490	6,714	6,571	6,715	6,838	6,473	6,747	6,764	6,553	19,793	19,775	20,026	20,064	...
1970...	6,495	6,485	6,194	6,323	6,416	6,655	7,302	6,51									

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
680. DEFENSE DEPARTMENT NET OUTLAYS, TOTAL, MILITARY FUNCTIONS AND MILITARY ASSISTANCE, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA (MILLIONS OF DOLLARS)																	
1949...	...	...	...	...	...	...	...	...	...	1,038	1,027	1,014					
1950...	999	991	982	941	947	956	986	1,042	1,126	1,253	1,350	1,471					
1951...	1,612	1,756	1,899	2,064	2,314	2,502	2,670	2,833	2,974	3,091	3,146	3,229					
1952...	3,334	3,437	3,543	3,605	3,727	3,713	3,816	3,815	3,822	3,884	3,828	3,944					
1953...	3,923	3,965	4,004	3,985	3,948	3,922	3,901	3,877	3,818	3,778	3,775	3,737					
1954...	3,635	3,539	3,456	3,477	3,384	3,296	3,245	3,226	3,208	3,108	3,130	3,118					
1955...	3,133	3,131	3,133	3,148	3,128	3,136	3,166	3,172	3,154	3,133	3,137	3,131					
1956...	3,057	3,073	3,092	3,224	3,203	3,235	3,283	3,316	3,362	3,269	3,362	3,416					
1957...	3,469	3,502	3,539	3,555	3,577	3,586	3,554	3,489	3,455	3,435	3,389	3,362					
1958...	3,366	3,400	3,402	3,447	3,493	3,495	3,537	3,601	3,639	3,652	3,644	3,655					
1959...	3,638	3,616	3,608	3,599	3,616	3,632	3,636	3,637	3,640	3,638	3,620	3,601					
1960...	3,586	3,571	3,547	3,474	3,498	3,520	3,548	3,563	3,588	3,684	3,674	3,690					
1961...	3,709	3,735	3,756	3,749	3,757	3,749	3,751	3,760	3,798	3,856	3,914	3,977					
1962...	4,039	4,098	4,148	4,181	4,199	4,206	4,201	4,205	4,203	4,180	4,193	4,200					
1963...	4,062	4,065	4,025	4,014	4,031	4,035	4,018	4,174	4,181	4,199	4,149	4,158					
1964...	4,126	4,134	4,217	4,302	4,221	4,139	4,131	4,078	3,984	3,865	3,936	3,958					
1965...	3,960	3,979	4,014	4,027	4,039	4,099	4,149	4,218	4,249	4,349	4,444	4,504					
1966...	4,611	4,683	4,738	4,834	4,982	5,098	5,214	5,321	5,448	5,516	5,601	5,719					
1967...	5,801	5,957	6,010	5,915	6,124	6,188	6,245	6,235	6,325	6,486	6,405	6,395					
1968...	6,327	6,381	6,478	6,603	6,474	6,474	6,580	6,542	6,516	6,528	6,603	6,665					
1969...	6,656	6,655	6,640	6,595	6,635	6,656	6,634	6,676	6,685	6,682	6,645	6,586					
1970...	6,540	6,469	6,411	6,261	6,396	6,402	6,415	6,384	6,330	6,445	6,261	6,202					
1971...	6,169	6,115	6,097	6,130	6,058	5,983	5,963	6,017	6,032	5,978	6,063	6,145					
1972...	6,209	6,306	6,398	6,550	6,521	6,448	6,308	6,228	6,174	6,024	6,049	6,151					
1973...																	
1974...																	
681. DEFENSE DEPARTMENT NET OUTLAYS, OPERATIONS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1959...	...	...	...	...	...	...	1,875	1,826	1,854	1,940	1,811	1,936	...	...	5,555	5,687	...
1960...	1,676	1,837	1,947	1,698	1,806	1,877	1,816	1,982	1,936	1,862	1,878	1,950	5,460	5,381	5,734	5,690	22,265
1961...	1,813	1,798	1,950	1,787	1,950	2,128	1,736	2,034	1,962	2,036	2,109	2,061	5,561	5,865	5,732	6,206	23,364
1962...	2,048	1,970	2,073	2,034	2,295	2,312	1,879	2,226	1,921	2,171	2,038	2,079	6,091	6,641	6,026	6,288	25,046
1963...	2,030	2,000	2,004	2,037	2,177	2,282	2,045	2,087	2,068	2,233	2,148	2,131	6,034	6,496	6,200	6,512	25,242
1964...	2,146	2,098	2,071	2,246	2,148	2,706	2,027	2,187	2,215	2,326	2,169	2,251	6,315	7,100	6,429	6,746	26,590
1965...	2,243	2,058	2,233	2,368	2,143	2,900	2,170	2,192	2,378	2,601	2,624	2,732	6,534	7,411	6,740	7,957	28,642
1966...	2,524	2,477	2,689	2,765	2,700	3,611	2,475	3,024	3,469	3,081	2,997	3,009	7,690	9,076	8,968	9,087	34,821
1967...	3,267	3,219	3,516	3,416	3,335	3,980	2,898	3,722	3,382	3,641	3,456	3,397	10,002	10,731	10,002	10,494	41,229
1968...	3,550	3,273	3,416	3,622	3,759	4,417	3,237	3,732	3,496	3,725	3,779	4,001	10,239	11,798	10,865	11,505	44,407
1969...	3,631	3,761	3,609	4,037	3,907	4,727	3,527	4,187	3,885	4,095	3,920	3,855	11,001	12,671	11,599	11,870	47,141
1970...	3,877	3,680	3,782	4,186	4,011	4,482	3,844	3,859	3,887	3,868	3,615	3,971	11,339	12,679	11,590	11,454	47,062
1971...	3,687	3,685	3,954	4,031	3,785	4,812	3,632	3,710	3,825	3,845	3,677	4,188	11,326	12,588	11,167	11,910	46,991
1972...	3,971	4,013	4,307	4,294	4,535	4,271	3,972	3,928	3,805	3,925	4,084	4,012	12,291	13,100	11,705	12,021	49,117
1973...																	
1974...																	
681. DEFENSE DEPARTMENT NET OUTLAYS, OPERATIONS, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1959...	...	...	...	...	...	...	1,933	1,851	1,840	1,886	1,852	1,836	...	...	5,624	5,574	...
1960...	1,791	1,849	1,924	1,763	1,830	1,658	1,992	1,896	1,923	1,866	1,858	1,897	5,564	5,251	5,811	5,621	...
1961...	1,915	1,884	1,903	1,919	1,902	1,875	1,932	1,953	1,996	2,001	2,078	2,058	5,702	5,696	5,881	6,137	...
1962...	2,070	2,071	2,111	2,107	2,250	2,053	2,069	2,117	2,036	2,050	2,014	2,108	6,252	6,410	6,222	6,172	...
1963...	2,050	2,113	2,099	2,051	2,114	2,058	2,187	2,071	2,182	2,111	2,174	2,140	6,262	6,223	6,400	6,425	...
1964...	2,114	2,197	2,152	2,202	2,234	2,286	2,166	2,253	2,236	2,241	2,215	2,202	6,463	6,722	6,655	6,658	...
1965...	2,331	2,191	2,234	2,312	2,266	2,376	2,434	2,223	2,396	2,553	2,643	2,656	6,756	6,954	7,053	7,852	...
1966...	2,618	2,642	2,701	2,741	2,826	2,922	2,862	2,962	3,517	3,038	2,986	3,049	7,961	8,489	9,341	9,073	...
1967...	3,304	3,445	3,481	3,496	3,371	3,821	3,429	3,581	3,437	3,588	3,429	3,526	10,230	10,088	10,447	10,543	...
1968...	3,498	3,363	3,557	3,590	3,702	3,777	3,666	3,653	3,955	3,594	3,844	4,162	10,438	11,069	11,274	11,600	...
1969...	3,512	4,012	3,824	3,903	4,015	3,958	4,017	4,107	3,920	3,883	4,090	3,904	11,348	11,876	12,044	11,877	...
1970...	3,920	3,917	3,866	3,965	4,048	3,820	4,078	4,015	3,932	3,935	3,741	3,924	11,723	11,833	12,025	11,600	...
1971...	3,769	3,877	3,911	3,822	3,842	4,026	3,972	3,932	3,867	3,971	3,996	4,059	11,557	11,690	11,671	12,026	...
1972...	4,144	4,069	4,112	4,248	4,459	3,615	4,436	3,937	3,975	4,079	4,074	4,093	12,325	12,322	12,348	12,246	...
1973...																	
1974...																	
682. DEFENSE DEPARTMENT NET OUTLAYS, PROCUREMENT, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
												TOTAL FOR PERIOD					
1953...	...	...	...	...	...	...	1,204	1,586	1,491	1,617	1,127	1,107	...	...	4,281	3,851	...
1954...	1,369	1,441	1,297	1,164	1,089	1,468	1,032	1,318	1,103	1,289	1,189	1,394	4,107	3,721	3,453	3,872	15,153
1955...	1,165	1,050	1,326	1,163	1,276	1,462	952	1,137	1,130	1,109	1,024	1,236	3,541	3,901	3,219	3,369	14,030
1956...	1,005	1,175	1,105	1,221	1,174	1,987	901	1,121	1,005	1,264	1,223	1,274	3,285	4,382	3,027	3,761	14,455
1957...	1,361	1,352	1,391	1,471	1,377	1,661	1,391	1,364	1,219	1,156	1,302	1,392	4,104	4,509	3,934	3,850	16,397
1958...	1,271	1,333	1,409	1,380	1,374	1,630	1,260	1,210	1,330	1,482	1,307	1,494	4,013	4,384	3,800	4,283	16,480
1959...	1,264	1,319	1,365	1,412	1,325	1,758	1,197	1,191	1,450	1,475	1,266	1,478	3,948	4,495	3,838	4,219	16,500
1960...	1,094	1,173	1,227	1,230	1,119	289	1,044	1,127	1,200	1,184	1,239	1,399	3,494	2,638	3,371	3,822	13,325
1961...	1,126	1,257	1,432	1,209	1,317	1,407	1,105	1,181	1,229	1,204	1,317	1,391	3,913	3,815	3,315	3,912	15,173
1962...	1,307	1,287	1,474	1,345	1,456	1,606	1,133	1,314	1,216	1,283	1,403	1,311	4,068	4,407	3,663	3,997	16,135
1963...	1,362	1,352	1,382	1,467	1,362	1,962	1,136	1,323	1,198	1,366	1,234	1,356					

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
682. DEFENSE DEPARTMENT NET OUTLAYS, PROCUREMENT, SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1953...	...	...	...	...	...	...	1,461	1,614	1,569	1,511	1,311	993	...	...	4,644	3,815	
1954...	1,436	1,433	1,258	1,129	1,187	1,168	1,248	1,305	1,181	1,253	1,298	1,276	4,127	3,484	3,734	3,827	
1955...	1,259	1,046	1,244	1,148	1,341	1,180	1,179	1,123	1,197	1,111	1,082	1,136	3,549	3,649	3,499	3,329	
1956...	1,060	1,137	1,054	1,257	1,170	1,609	1,096	1,131	1,114	1,200	1,270	1,247	3,251	4,036	3,341	3,717	
1957...	1,384	1,357	1,374	1,429	1,387	1,399	1,592	1,422	1,351	1,067	1,348	1,312	4,115	4,215	4,365	3,727	
1958...	1,333	1,345	1,422	1,328	1,376	1,409	1,433	1,342	1,367	1,396	1,382	1,370	4,100	4,113	4,142	4,148	
1959...	1,336	1,340	1,318	1,391	1,362	1,464	1,377	1,370	1,454	1,404	1,335	1,315	3,994	4,217	4,201	4,054	
1960...	1,200	1,184	1,122	1,228	1,118	245	1,240	1,230	1,197	1,218	1,211	1,274	3,506	2,591	3,667	3,703	
1961...	1,227	1,301	1,340	1,248	1,243	1,193	1,339	1,250	1,255	1,219	1,303	1,323	3,668	3,684	3,844	3,845	
1962...	1,387	1,349	1,391	1,394	1,290	1,407	1,295	1,400	1,303	1,296	1,388	1,278	4,127	4,091	3,998	3,962	
1963...	1,399	1,319	1,326	1,395	1,465	1,795	1,290	1,270	1,318	1,341	1,274	1,181	4,044	4,655	3,878	3,796	
1964...	1,171	1,301	1,111	1,183	1,356	1,527	1,016	920	999	1,004	1,085	1,318	3,583	4,066	2,935	3,407	
1965...	979	960	1,016	1,051	1,004	835	1,131	1,204	1,103	1,134	1,043	1,317	2,955	2,590	3,438	3,494	
1966...	1,191	1,190	1,343	1,171	946	1,541	1,520	1,423	1,503	1,445	1,486	1,463	3,724	3,658	4,446	4,394	
1967...	1,762	1,670	1,732	1,840	1,843	1,396	2,199	1,954	2,056	2,062	2,010	1,722	5,164	5,079	6,209	5,794	
1968...	2,223	1,981	1,637	2,035	1,649	1,861	1,675	2,021	2,033	2,004	2,126	2,011	5,841	5,545	5,729	6,141	
1969...	2,032	2,116	2,133	1,948	1,989	1,954	1,795	1,936	1,844	1,993	1,857	1,835	6,261	5,891	5,575	5,685	
1970...	1,717	1,750	1,905	1,756	1,780	1,376	1,856	1,671	1,693	1,545	1,644	1,731	5,372	4,912	5,220	4,920	
1971...	1,546	1,526	1,382	1,310	1,399	1,557	924	1,221	1,323	1,346	1,384	1,390	4,454	4,266	3,468	4,120	
1972...	1,372	1,391	1,476	1,528	1,564	1,952	1,810	1,002	1,111	1,299	1,331	1,189	4,239	5,044	3,923	3,819	
1973...																	
1974...																	
682. DEFENSE DEPARTMENT NET OUTLAYS, PROCUREMENT, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA ¹ (MILLIONS OF DOLLARS)																	
1953...	...	...	...	...	...	...	...	...	...	1,410	1,406	1,376					
1954...	1,324	1,260	1,239	1,268	1,237	1,216	1,203	1,224	1,242	1,260	1,262	1,219					
1955...	1,229	1,212	1,219	1,203	1,190	1,202	1,195	1,169	1,145	1,138	1,118	1,121					
1956...	1,097	1,121	1,135	1,214	1,220	1,219	1,229	1,220	1,237	1,176	1,224	1,262					
1957...	1,306	1,344	1,363	1,389	1,423	1,434	1,430	1,370	1,363	1,349	1,305	1,293					
1958...	1,304	1,348	1,352	1,369	1,385	1,385	1,376	1,387	1,388	1,382	1,366	1,365					
1959...	1,357	1,356	1,353	1,369	1,375	1,380	1,403	1,405	1,401	1,376	1,346	1,315					
1960...	1,260	1,230	1,194	1,016	1,023	1,030	1,043	1,041	1,037	1,228	1,226	1,238					
1961...	1,262	1,267	1,272	1,258	1,277	1,269	1,255	1,250	1,260	1,281	1,289	1,306					
1962...	1,328	1,358	1,356	1,370	1,354	1,363	1,348	1,332	1,348	1,327	1,344	1,331					
1963...	1,334	1,351	1,364	1,450	1,432	1,424	1,422	1,413	1,381	1,279	1,259	1,264					
1964...	1,230	1,203	1,217	1,275	1,249	1,185	1,167	1,137	1,092	1,057	1,051	1,058					
1965...	1,060	1,068	1,054	924	949	990	1,005	1,019	1,025	1,155	1,165	1,163					
1966...	1,203	1,209	1,193	1,230	1,285	1,324	1,351	1,396	1,486	1,473	1,514	1,555					
1967...	1,593	1,659	1,718	1,707	1,780	1,827	1,881	1,918	1,946	2,000	2,004	2,009					
1968...	1,939	1,935	1,875	1,898	1,806	1,813	1,879	1,874	1,953	1,979	2,038	2,054					
1969...	2,070	2,061	2,038	2,029	1,989	1,959	1,911	1,918	1,896	1,876	1,864	1,833					
1970...	1,843	1,803	1,790	1,714	1,737	1,724	1,689	1,653	1,631	1,690	1,638	1,614					
1971...	1,562	1,523	1,482	1,453	1,350	1,299	1,289	1,295	1,293	1,265	1,339	1,368					
1972...	1,393	1,424	1,453	1,547	1,620	1,555	1,494	1,456	1,417	1,290	1,216	1,271					
1973...																	
1974...																	
683. BUDGET OUTLAYS FOR THE NATIONAL DEFENSE FUNCTION, SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1953...	3,715	3,734	3,820	3,842	3,921	3,418	3,909	4,042	4,071	4,037	3,995	3,909	11,269	11,181	12,022	11,941	46,413
1954...	3,917	3,798	3,732	3,612	3,572	3,629	3,353	3,351	3,249	3,327	3,439	3,470	11,447	11,113	9,953	10,236	42,749
1955...	3,446	3,234	3,603	3,433	3,445	3,482	3,472	3,444	3,483	3,348	3,215	3,279	10,283	10,360	10,399	9,842	40,884
1956...	3,168	3,271	3,222	3,349	3,385	3,395	3,250	3,418	3,393	3,573	3,635	3,597	9,661	10,629	10,061	10,805	41,156
1957...	3,761	3,782	3,797	3,882	3,712	3,645	3,727	3,812	3,727	3,407	3,624	3,579	11,340	11,239	11,266	10,610	44,458
1958...	3,707	3,724	3,722	3,620	3,694	3,871	3,885	3,698	3,908	3,986	3,927	3,952	11,153	11,185	11,481	11,865	45,684
1959...	3,817	3,808	3,838	3,849	3,836	3,874	3,914	3,862	3,835	3,863	3,860	3,901	11,463	11,559	11,611	11,624	46,257
1960...	3,807	3,769	3,733	3,728	3,744	3,737	3,888	3,906	3,926	3,846	3,909	3,984	11,309	10,909	11,720	11,739	45,677
1961...	3,893	4,013	3,934	3,975	4,051	3,984	3,930	3,949	4,020	4,080	4,238	4,235	11,900	11,964	11,899	12,553	48,316
1962...	4,380	4,353	4,355	4,444	4,577	4,511	4,397	4,363	4,396	4,679	4,511	4,387	13,088	13,532	13,156	13,377	53,153
1963...	4,515	4,366	4,456	4,451	4,306	4,311	4,525	4,501	4,457	4,506	4,215	4,437	13,337	13,068	13,483	13,158	53,046
1964...	4,291	4,591	4,185	4,444	4,850	4,985	3,798	4,027	4,208	4,145	4,252	4,200	13,067	14,279	12,033	12,597	51,976
1965...	4,208	4,104	4,132	4,203	4,580	4,258	4,229	4,492	4,465	4,494	4,642	4,804	12,444	13,041	13,186	14,040	52,711
1966...	4,896	4,807	5,057	5,000	5,076	5,424	5,671	5,506	5,805	5,728	5,681	5,710	14,760	15,500	16,982	17,119	64,361
1967...	6,372	6,181	6,224	6,589	6,159	5,211	7,508	6,615	6,226	6,649	6,611	6,096	18,777	17,959	20,749	19,356	76,841
1968...	7,068	6,559	6,157	6,816	7,095	6,863	6,857	6,930	6,811	6,719	7,075	7,133	19,784	20,774	19,598	20,927	81,083
1969...	6,701	6,954	6,803	6,684	6,838	6,833	6,904	6,992	6,674	6,931	7,066	6,818	20,458	20,355	20,570	20,615	82,198
1970...	6,609	6,648	6,452	6,491	6,705	5,796	7,410	6,612	6,475	6,310	6,306	6,535	19,709	18,992	20,497	19,151	78,349
1971...	6,436	6,219	6,258	5,990	6,190	6,784	5,777	5,923	6,077	6,361	6,278	6,441	18,913	18,964	17,777	19,080	74,734
1972...	6,449	6,442	6,582	6,912	6,684	7,574	5,976	6,136	5,667	6,472	6,499	6,320	19,473				

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
685. DEFENSE DEPARTMENT PERSONNEL COMPENSATION, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1966....	5,118	5,264	5,656	5,741	21,779
1967....	1,933	1,887	1,967	1,930	1,972	1,992	2,046	2,053	2,014	2,037	2,069	2,198	5,787	5,894	6,113	6,304	24,098
1968....	2,166	2,113	2,111	2,146	2,203	2,170	2,333	2,294	2,286	2,355	2,237	2,270	6,390	6,519	6,913	6,862	26,684
1969....	2,348	2,237	2,304	2,316	2,315	2,336	2,557	2,528	2,510	2,531	2,413	2,499	6,889	6,967	7,595	7,443	28,894
1970....	2,461	2,356	2,429	2,671	2,708	2,539	2,562	2,490	2,481	2,442	2,433	2,492	7,246	7,918	7,533	7,367	30,064
1971....	2,545	2,480	2,600	2,536	2,565	2,537	2,524	2,506	2,511	2,480	2,579	2,654	7,625	7,638	7,541	7,713	30,517
1972....	2,713	2,681	2,778	2,625	2,638	2,711	2,651	2,693	2,610	2,636	2,658	2,609	8,172	7,974	7,954	7,903	32,003
1973....																	
1974....																	
685. DEFENSE DEPARTMENT PERSONNEL COMPENSATION, SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1966....	5,149	5,360	5,540	5,724	
1967....	1,929	1,949	1,957	1,975	1,988	2,035	1,995	1,993	2,002	2,031	2,078	2,187	5,835	5,998	5,990	6,296	
1968....	2,125	2,106	2,139	2,199	2,212	2,225	2,241	2,254	2,282	2,302	2,283	2,266	6,370	6,636	6,777	6,851	
1969....	2,295	2,310	2,337	2,337	2,355	2,400	2,448	2,496	2,503	2,471	2,467	2,452	6,942	7,092	7,447	7,390	
1970....	2,437	2,434	2,439	2,650	2,716	2,539	2,480	2,473	2,476	2,464	2,490	2,485	7,310	7,905	7,429	7,439	
1971....	2,538	2,533	2,531	2,531	2,558	2,524	2,504	2,504	2,519	2,548	2,621	2,649	7,602	7,613	7,527	7,818	
1972....	2,687	2,642	2,686	2,660	2,671	2,700	2,654	2,669	2,690	2,687	2,666	2,670	8,015	7,931	8,013	8,023	
1973....																	
1974....																	
Year	Quarterly				Annual	Year	Quarterly				Annual						
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q							
650. MANUFACTURERS' NEW ORDERS FROM THE U.S. GOVERNMENT, AEROSPACE INDUSTRIES, SEASONALLY ADJ. ² (MILLION DOL.)						664. MANUFACTURERS' UNFULFILLED ORDERS FROM THE U.S. GOVERNMENT, AEROSPACE INDUSTRIES, SEASONALLY ADJ. ² (MILLION DOL.)						END OF YEAR					
TOTAL																	
1952.....	2,639	2,172	3,399	3,175	11,385	1952.....	13,781	14,379	16,080	17,444	17,444						
1953.....	3,192	2,717	1,468	595	7,972	1953.....	18,502	19,001	18,386	16,554	16,554						
1954.....	1,529	1,334	1,685	1,717	6,265	1954.....	16,187	15,371	15,093	14,661	14,661						
1955.....	1,555	2,099	2,197	3,168	9,019	1955.....	14,036	13,968	14,153	15,503	15,503						
1956.....	2,803	3,265	3,942	2,380	12,390	1956.....	16,179	17,209	18,757	18,097	18,097						
1957.....	2,322	1,611	1,211	2,605	7,749	1957.....	17,636	16,304	14,771	14,359	14,359						
1958.....	2,851	2,393	2,378	2,529	10,151	1958.....	14,168	13,695	13,356	13,054	13,054						
1959.....	2,207	3,189	2,214	2,608	10,218	1959.....	12,942	12,862	12,342	12,036	12,036						
1960.....	2,973	2,718	3,328	2,471	11,490	1960.....	12,051	11,955	12,756	12,421	12,421						
1961.....	2,208	2,638	2,572	3,030	10,448	1961.....	11,673	11,450	11,127	11,018	11,018						
1962.....	2,561	2,859	3,194	3,471	11,955	1962.....	10,578	10,370	10,464	10,556	10,556						
1963.....	4,064	3,492	3,741	2,750	14,047	1963.....	10,926	11,139	11,521	10,928	10,928						
1964.....	3,857	3,723	3,032	2,913	13,525	1964.....	11,607	11,848	11,868	11,605	11,605						
1965.....	3,052	3,652	3,451	4,344	14,499	1965.....	11,561	11,992	12,593	13,628	13,628						
1966.....	4,136	3,364	4,913	3,662	16,075	1966.....	14,301	13,841	15,642	15,948	15,948						
1967.....	3,966	4,408	3,906	3,352	15,632	1967.....	15,438	16,388	16,658	17,627	17,627						
1968.....	4,058	4,555	4,560	3,348	16,521	1968.....	16,009	16,024	17,227	16,117	16,117						
1969.....	4,927	2,754	3,290	3,636	14,607	1969.....	16,982	15,298	14,783	14,101	14,101						
1970.....	3,279	4,203	3,936	3,687	15,105	1970.....	13,341	13,277	13,128	12,869	12,869						
1971.....	4,040	3,548	3,843	3,730	15,161	1971.....	12,891	12,431	13,013	13,826	13,826						
1972.....	3,399	4,369	3,453	3,585	14,806	1972.....	14,052	15,233	14,619	15,106	15,106						
1973.....						1973.....											
1974.....						1974.....											
666. DEFENSE DEPARTMENT PROGRESS PAYMENTS OUTSTANDING, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)						689. MANUFACTURERS' SHIPMENTS TO THE U.S. GOVERNMENT, AEROSPACE INDUSTRIES, SEASONALLY ADJ. ² (MILLION DOL.)						TOTAL					
END OF YEAR																	
1952.....	...	...	...	...	...	1952.....	1,350	1,491	1,667	1,969	6,477	
1953.....	...	...	...	...	...	1953.....	2,104	2,131	2,164	2,111	8,510	
1954.....	4,547	4,347	4,207	4,438	4,438	1954.....	2,097	2,106	2,049	2,049	8,301						
1955.....	4,283	4,265	4,192	4,055	4,055	1955.....	2,231	2,134	2,092	2,012	8,469						
1956.....	4,221	4,470	3,889	3,817	3,817	1956.....	2,023	2,190	2,379	2,863	9,455						
1957.....	3,916	4,046	4,072	3,898	3,898	1957.....	2,799	2,965	3,005	2,978	11,747						
1958.....	3,625	3,297	2,861	2,641	2,641	1958.....	3,008	2,629	2,845	2,793	11,475						
1959.....	2,626	2,201	2,257	2,189	2,189	1959.....	2,698	2,793	2,891	2,862	11,244						
1960.....	2,343	2,358	2,335	2,462	2,462	1960.....	2,980	2,908	2,632	2,663	11,003						
1961.....	2,534	2,529	2,391	2,344	2,344	1961.....	2,844	2,987	2,966	2,963	11,760						
1962.....	2,441	2,361	2,554	2,823	2,823	1962.....	3,136	3,053	3,151	3,211	12,551						
1963.....	3,115	3,303	3,226	3,308	3,308	1963.....	3,245	3,191	3,495	3,270	13,201						
1964.....	3,347	3,239	3,243	3,207	3,207	1964.....	3,216	3,349	3,126	3,119	12,810						
1965.....	3,257	3,545	3,939	3,934	3,934	1965.....	3,095	3,063	3,079	3,285	12,522						
1966.....	4,402	4,346	4,750	5,461	5,461	1966.....	3,418	3,532	3,810	3,749	14,509						
1967.....	5,981	6,765	7,179	7,491	7,491	1967.....	3,836	4,044	4,130	4,290	16,300						
1968.....	7,681	8,237	8,193	8,554	8,554	1968.....	4,298	3,965	4,144	4,185	16,592						
1969.....	9,165	9,463	9,512	9,782	9,782	1969.....	4,114	4,140	4,073	4,212	16,539						
1970.....	9,821	9,841	9,771	9,384	9,384	1970.....	4,095	4,175	4,205	3,940	16,415						
1971.....	9,313	7,723	7,669	7,181	7,181	1971.....	3,665	4,027	3,404	3,128	14,224						
1972.....	7,297	7,043	6,866	6,668	6,668	1972.....	3,298	3,225	3,767	3,275	13,565						
1973.....						1973.....											
1974.....						1974.....											

NOTE: Unless otherwise noted, these series contain no revisions but are reprinted for the convenience of the user.

(APRIL 1974)

¹This series contains revisions beginning with 1971.

²Data prior to 1968 include orders from non-Government customers.

³Data prior to 1961 include shipments to non-Government customers.

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ALPHABETICAL INDEX—SERIES FINDING GUIDE

Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)	Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)
		Charts	Tables					Charts	Tables		
Accession rate, defense products industries	654	8	21	8/73	4/73	Inventories, manufacturers'					
Aerospace industries						Defense products	658	9	22	8/73	2/73
Manufacturers' new orders from U.S. Government	650	See New orders.				Defense products industries	658	9	...	1/72	2/73
Manufacturers' shipments to U.S. Government	689	See Shipments.				Ratio to shipments, defense products	693	12	26	8/73	2/73
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Cash receipts associated with military sales contracts	696	13	27	9/73	10/73	Layoff rate, defense products industries	655	8	21	8/73	4/73
Direct defense expenditures	547	13	27	9/73	10/73	Man-hours, defense products industries	673	10	23	8/73	4/73
Transfers under military agency sales contracts	546	13	27	9/73	10/73	Manpower—See Civilian manpower and Military manpower.					
Budget outlays for national defense function	683	See Outlays.				Military manpower, Defense Department	677	10	24	9/73	8/68
Cash receipts associated with military sales contracts	696	See Balance of payments.				Military prime contract awards—See Contract awards.					
Civilian manpower, Defense Department	678	10	24	9/73	8/68	Net outlays, Defense Department—See Outlays.					
Compensation						New orders, manufacturers'					
Payrolls, aggregate weekly, defense products industries	675	10	23	8/73	4/73	Defense products	648	7	20	8/73	2/73
Personnel compensation, Defense Department	685	11	25	4/74	8/68	Defense products industries	647	7	...	11/72	2/73
Contract awards, military prime						From Government, aerospace industries	650	8	20	4/74	2/73
Aircraft	626	...	16	11/73	8/68	Obligations incurred, gross					
Civilian Health and Medical Program	638	...	19	...	...	Defense Department, operations	619	...	15	4/74	8/68
Combat vehicles	631	...	17	11/73	8/68	Defense Department, procurement	621	6	15	4/74	8/68
Construction	634	...	18	11/73	8/68	Defense Department, total	617	6	15	4/74	8/68
Contracts under \$10,000	636	...	19	11/73	8/68	Outside Government for national defense	623	6	16	4/74	10/73
Educational and nonprofit institutions	637	...	19	11/73	8/68	Obligations outstanding, gross unpaid					
Electronic and communications equipment	630	...	17	11/73	8/68	Defense Department, operations	644	...	20	4/74	8/68
Missile and space systems	627	...	16	11/73	8/68	Defense Department, procurement	645	...	20	4/74	8/68
Other hard goods	632	...	18	11/73	8/68	Defense Department, total	643	7	20	4/74	8/68
Services	635	...	18	11/73	8/68	Operations, Defense Department					
Ships	628	...	17	11/73	8/68	Net outlays	681	See Outlays.			
Soft goods	633	...	18	11/73	8/68	Obligations incurred	619	See Obligations incurred.			
Total	625	7	16	11/73	8/68	Unpaid obligations outstanding	644	See Obligations outstanding.			
Weapons and ammunition	629	...	17	11/73	8/68	Orders—See New orders and Unfilled orders.					
Work outside the U.S.	640	...	19	11/73	8/68	Outlays					
Defense and space equipment, output	657	See Output of defense and space equipment.				Budget outlays for national defense function	683	11	25	4/74	10/73
Defense Department						Defense Department, operations	681	...	24	4/74	8/68
Gross obligations incurred—See Obligations incurred.						Defense Department, procurement	682	11	25	4/74	8/68
Gross unpaid obligations outstanding—See Obligations outstanding.						Defense Department, total	680	11	24	4/74	8/68
Manpower—See Civilian manpower and Military manpower.						Output of defense and space equipment	657	9	22	8/73	10/73
Military prime contract awards—See Contract awards.						Overtime hours, defense products industries	653	8	21	8/73	4/73
Net outlays—See Outlays.						Payrolls, aggregate weekly, defense products industries	675	See Compensation.			
Personnel compensation	685	See Compensation.				Personnel compensation, Defense Department	685	See Compensation.			
Progress payments outstanding	666	See Progress payments.				Procurement, Defense Department					
Direct defense expenditures	547	See Balance of payments.				Net outlays	682	See Outlays.			
Employment						Obligations incurred	621	See Obligations incurred.			
Accession rate, defense products industries	654	See Accession rate.				Unpaid obligations outstanding	645	See Obligations outstanding.			
Employment, production workers, defense products industries	671	10	23	8/73	4/73	Progress payments outstanding, Defense Department	666	9	22	4/74	8/68
Employment, total, defense products industries	670	10	22	8/73	4/73	Purchases of goods and services for national defense	264	See Gross national product.			
Job vacancy rate, defense products industries	656	See Job vacancy rate.				Shipments, manufacturers'					
Layoff rate, defense products industries	655	See Layoff rate.				Defense products	688	12	26	8/73	2/73
Man-hours, defense products industries	673	See Man-hours.				Defense products industries	687	12	...	11/72	2/73
Manpower—See Civilian manpower and Military manpower.						Ratio, inventories to shipments, defense products industries	693	See Inventories.			
Overtime hours, defense products industries	653	See Overtime hours.				Ratio, inventories to shipments, defense products industries	692	See Unfilled orders.			
Expenditures—See Outlays.						Ratio, unfilled orders to shipments, defense products industries	691	See Unfilled orders.			
Federal purchases of goods and services for national defense	264	See Gross national product.				Ratio, unfilled orders to shipments, defense products industries	690	See Unfilled orders.			
Gross national product						To Government, aerospace industries	689	12	26	4/74	2/73
Federal purchases of goods and services for national defense	264	5	14	9/73	10/73	Transfers under military agency sales contracts	546	See Balance of payments.			
Gross national product	200	5	14	9/73	10/73	Unfilled orders, manufacturers'					
National defense purchases as percent of GNP	613	5	14	9/73	10/73	Defense products	661	9	22	8/73	2/73
Gross obligations incurred—See Obligations incurred.						Defense products industries	660	9	...	7/71	2/73
Gross unpaid obligations outstanding—See Obligations outstanding.						From Government, aerospace industries	664	9	22	4/74	2/73
						Ratio to shipments, defense products	691	12	26	8/73	2/73
						Ratio to shipments, defense products industries	690	12	...	11/72	2/73
						Unpaid obligations outstanding—See Obligations outstanding.					



